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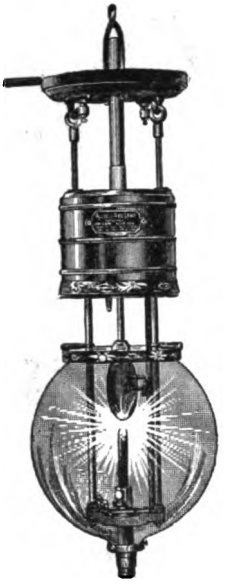

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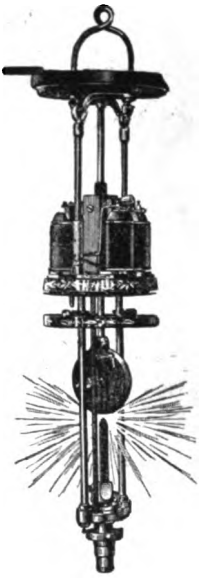

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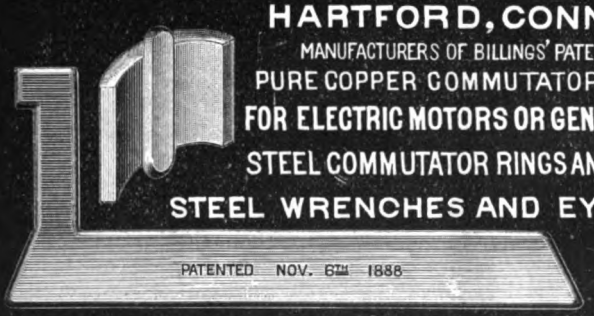

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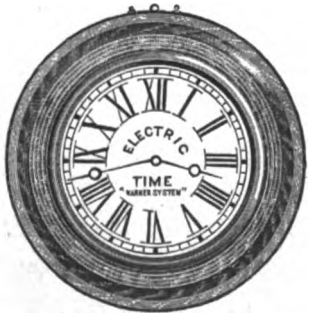

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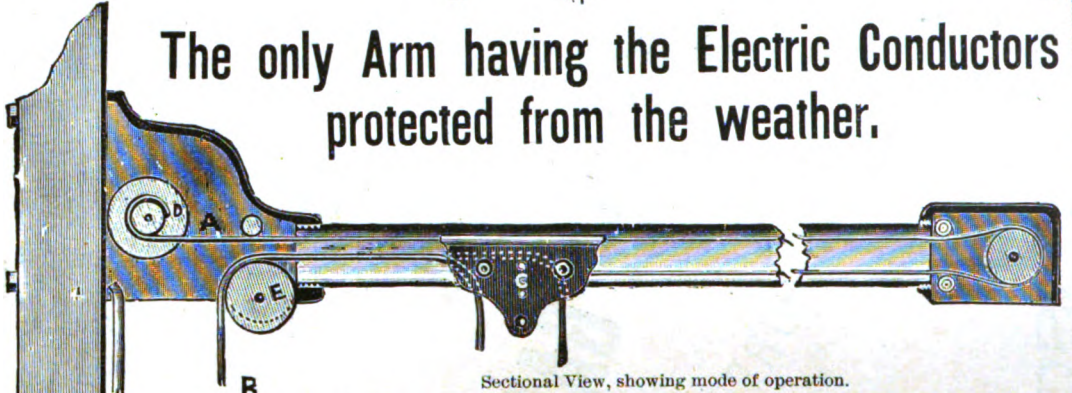

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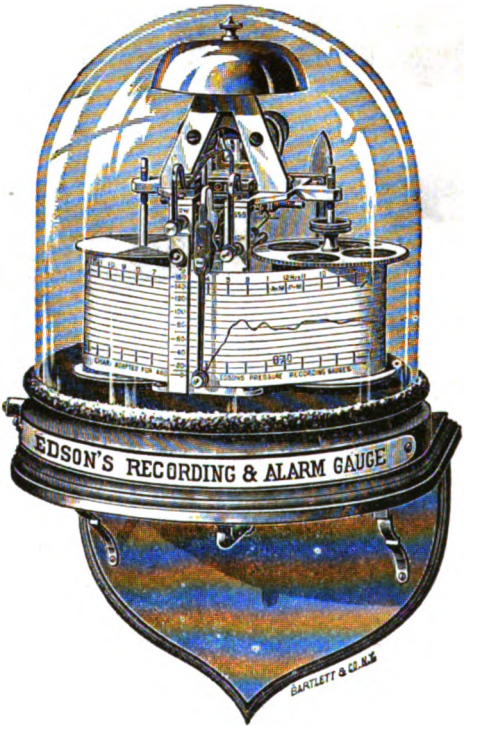

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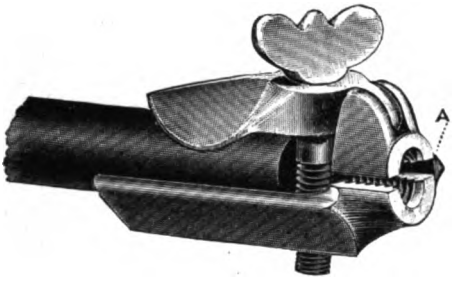

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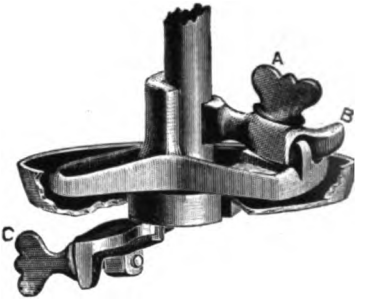

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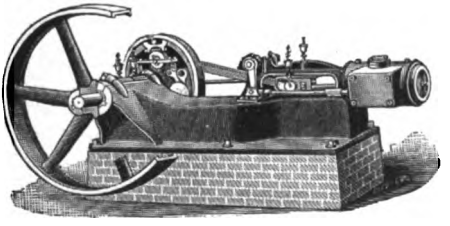

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RULES

OF THE

BOSTON FIRE UNDERWRITERS' UNION

FOR ELECTRIC INSTALLATIONS.

ARC SYSTEM.

OUTSIDE WIRES.

1. All outside overhead wires must be covered with some material of high insulating power, not easily abraded; they must be firmly secured to properly insulated and substantially built supports. All tie wires must have an insulation equal to that of the conducting wires.

2. All joints must be so made that a perfectly secure and unvarying connection, fully equal to the cross-section of the conducting wire, will be secured—and they should be soldered. Resin should not be used as a flux. Nothing but an acid solution should be used, and any excess should be washed off before the splice is covered. This also applies to inside wires. All joints must be securely wrapped with an approved tape.

The following formula for soldering fluid is recommended, viz.:

Saturated solution of zinc	5 parts.
Alcohol	4 "
Glycerine	1 part.

3. Care must be taken that conducting wires are not placed in such position that it would be easy for water, or any liquid, to form cross-connection between them, and they should not approach each other nearer than one foot.

4. The wires must never be allowed in contact with any substance other than air, and their proper insulating supports.

5. Conducting wires carried over or attached to buildings, *must* be at least seven feet above the highest point of flat roofs, and one foot above the ridge of pitch roofs. Lines constructed subsequent to the adoption of these regulations should not be run over and attached to buildings other than those in which the light or power is being, or is to be used, but should be on separate poles, or structures, where they can be easily reached for inspection.

6. When they are in proximity to other conducting wires, or any substance likely to divert any portion of the current, *dead*, *insulated* guard-irons must be placed so as to prevent any possibility of contact in case of accident to the wires or their supports. The same precautions must be taken where sharp angles occur in the line wires, and also where any wires (telegraph, telephone or others) could possibly, owing to their position, come in contact with the electric light wires.

7. Overhead wires from the main circuit, on building or pole in the street, to the terminal insulators attached to buildings, and at the point where they enter a building, must not be less than 12 inches apart. They must be rigidly and neatly run and supported

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by glass or porcelain insulators, or rubber hooks. The rubber hooks must be of an approved pattern, *i. e.*, with the rubber insulation free from flaws, and projecting over the hook in cup form.

8. Service blocks must be protected by at least two coats of waterproof paint over their entire surface; and when used to support rubber hooks, must have at least one inch of wood between the inner end of the hook and the back of the block.

9. For entering buildings, wires with an extra heavy waterproof insulation must be used from the terminal insulators outside to the inside of a building. They must loop down, so that water may drip off without entering the building, and the holes through which they enter should, where possible, slant upward. If an approved glass insulator for bushing the holes is used, the extra heavy waterproof insulation will not in all cases be required.

10. Service wires must come in contact with nothing save air, and their insulating supports, except in unavoidable cases, when a wire with an extra heavy insulation suitable for the purpose must be used.

11. The use of porcelain knobs as insulators, except in perfectly dry places, or for the support of specially insulated wire, will not be accepted, unless of some approved shape.

12. None but an approved tubing will be accepted as a durable waterproof insulation.

13. Wires must enter and leave the building through an approved cut-out switch.

14. The cut-out switch must be "double contact," and should effectually close the main circuit, and cut off the interior, when turned "off." It must be so constructed that there shall be no arc between the points when thrown "on" or "off." It should be automatic in its action in either direction, not stopping between points when once started. It should indicate upon inspection whether current be "on" or "off."

15. It must be mounted on a non-conducting base, kept free from moisture, and easy of access to firemen and police.

INSIDE WIRES.

16. Wires must not be concealed, and they must be rigidly kept apart at least one foot, unless an *approved moisture-proof non conducting, non-inflammable tubing* is used. This tubing must be sufficiently strong to protect the wires from mechanical injury. It may be fastened to the wall by staples, provided the tubing is not broken or injured thereby. Wires in this class of tubing may be run as near as three inches to each other.

17. In perfectly dry places wires may be supported by wooden cleats ("filled" to prevent absorption of moisture), or porcelain. A cleat having a backing so as to separate the wire at least one-forth inch from the building must be used.

18. In places liable to dampness, wires must be thoroughly and carefully run on glass insulators, rubber hooks, or porcelain knobs of suitable size and shape, and the wires must be separated at least eighteen inches. They must also be provided with an approved waterproof insulation, or encased in an improved tubing. If encased in such approved tubing, the distance may be reduced to three inches.

19. When wires pass through walls, floors, partitions, timbers, etc., in-doors, glass tubing or so-called "floor insulators," or other moisture-proof, non-inflammable, insulating tubes must be used.

ARC LAMPS.

20. The frames and other exposed parts of arc lamps must be carefully insulated from the circuit.

21. Each lamp must be provided with a proper hand switch, and also with an automatic switch that will shunt the current around the carbons should they fail to feed properly.

22. Stops of some kind must be provided to prevent the carbons from falling out in case their clamps fail to hold them; and these stops must always be in place when the lamp is burning.

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23. For inside use, the light must be surrounded by a globe resting in a tight stand, so that no particle of melted copper or heated carbon can escape. When any inflammable material is near or under the lamp the globe must be protected by a wire netting. Unless a very high globe which closes in, as far as possible, at the top, is used, it must be provided with some protector or spark arrester, reaching to a safe distance above the light. Broken or cracked globes must be replaced by perfect ones immediately. (By inflammable material is meant dry goods, clothing, millinery and the like in stores; flyings or goods in fabric factories; shavings and sawdust in wood-working shops, or any other substance that can be readily ignited by droppings or flyings from the lamp.)

24. Electrical connection between the conducting-wires and lamps must be made through a suitable "hanger-board" and rods on which the lamp is hung.

INCANDESCENT LAMPS ON ARC-LIGHT CIRCUITS.

25. The rules for running wires for arc lamps apply also to incandescent lamps run in series.

26. These must be provided with a proper hand switch, and also with an approved automatic device which will shunt the circuit around the carbon filament should it break. No electro-magnet device will be accepted for this purpose.

27. Any method of distributing current to incandescent lamps on arc-light circuits, other than as above provided for, must receive the approval of this Union before being put into use.

DYNAMOS, MOTORS AND SWITCHBOARDS.

28. They must be located in dry places, not exposed to flyings or combustible material, and must be insulated upon dry wood, filled to prevent absorption of moisture. They must be kept thoroughly clean and dry. They must be provided with a reliable automatic regulating device, or a competent person must be in attendance near the machine whenever it is in operation. In writing for motive power, the same precautions should be taken as with a current of the same volume and potential for lighting.

29. The wires leading to motors should be separated at least twelve inches from each other, and must be provided with an approved cut-out switch at the point where they enter the building. The same precautions must be observed in entering the building that are required for lighting circuits.

30. Switchboards, or other apparatus for controlling circuits and currents, should be so located that they will be accessible, and open on all sides, and entirely disconnected from all woodwork or combustible material; also kept free from moisture. They should be as near non-combustible as possible.

TESTING.

31. All circuits should be tested at least twice a day with a suitable magneto or other approved device, in order to discover any escapes to ground that may exist. One test should be made in the morning, and another in ample time before starting, to remove any defect, should it be found to exist. The rules for testing should be observed in any separate or isolated plant the same as in Central Stations.

32. The Boston Fire Underwriters' Union reserves the right at any time to add to, change or modify these Rules, and to enforce such modifications, changes, etc., as it shall deem necessary for safety; and it will use all reasonable efforts to promptly notify all Electric Light Companys of any change.

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INCANDESCENT SYSTEM.

OUTSIDE WIRES.

1. All outside overhead wires must be covered with some material of high insulating power, not easily abraded, and they must be firmly secured to properly insulated and substantially built supports. All tie wires must have an insulation equal to that of the conducting wires.

2. All joints must be so made that a perfectly secure and unvarying connection, fully equal to the cross-section of the conducting wire, will be secured—and they should be soldered. All joints must be securely wrapped with an approved tape.

3. Care must be taken that conducting-wires are not placed in such position that it would be easy for water, or any liquid, to form cross-connection between them, and main conductors or feeders should not approach each other nearer than one foot.

4. The wires must never be allowed in contact with any substance other than air, and their proper insulating supports.

5. Conducting-wires carried over or attached to buildings, *must* be at least seven feet above the highest point of flat roofs, and one foot above the ridge of pitch roofs. Lines constructed subsequent to the adoption of these regulations should not be run over and attached to buildings other than those in which the light or power is being, or is to be used, but should be on separate poles, or structures, where they can be easily reached for inspection.

6. When they are in proximity to other conducting-wires, or any substance likely to divert any portion of the current, *dead, insulated* guard-irons must be placed so as to prevent any possibility of contact in case of accident to the wires or their supports. The same precautions must be taken where sharp angles occur in the line wires, and also where any wires (telegraph, telephone, or others) could possibly, owing to their position, come in contact with the electric light wires.

7. Wires from main circuit to main cut-out inside of building must be separated by a distance of not less than six inches for currents having an electro-motive force of 250 volts or less, and this distance must be increased for currents of higher potential.

8. They must also be rigidly and neatly run, and must be supported by glass or porcelain insulators, or by rubber hooks. Rubber hooks must be of an approved pattern, *i. e.*, with the rubber insulation free from flaws and projecting over the hook in cup form.

9. Service blocks must be protected by at least two coats of waterproof paint over their entire surface; and when used to support rubber hooks, must have at least one inch of wood between the inner end of the hook and the back of the block.

10. For entering buildings, wires of extra heavy and durable waterproof insulation, protected by an outside covering not easily abraded must be used from the terminal insulators outside, to the main cut-out inside of the building. They must loop down so that water may drip off without entering the building, and the holes through which they enter should, where possible, slant upward. If an approved glass insulator for bushing the holes is used, the extra heavy waterproof insulation will not, in all cases, be required.

11. Service wires must come in contact with nothing save air, and their insulating supports, except in unavoidable cases, when a wire with an extra heavy insulation, suitable for the purpose, must be used.

12. The use of porcelain knobs as insulators, except in perfectly dry places, or for the support of a specially insulated wire, will not be accepted, unless of some approved shape.

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UNDERGROUND SERVICES.

13. Where underground service conductors, enclosed in a metal tube, enter a building, special care must be taken at the point where the conductors leave the tube, and thence to the main cut-out, to protect them in such a manner that they cannot come in contact with each other, nor with the tube, nor be acted upon by falling moisture, nor disturbed by anything being moved against them, etc.

14. This service must not end in any place where it would be unsafe or undesirable to place a cut-out, but should be continued by means of specially insulated conductors (and a space of ten inches should be maintained between them) to a suitable location.

INSIDE WIRING.

15. Copper wire used for incandescent lighting must be procured from manufacturers whose products have been found, by reliable tests, to be at least 95 per cent. conductivity. Samples of wire to be used, or in actual use, must be submitted to this Union, for tests of conductivity, at any time when required. Samples of wire must also be submitted for tests of insulation at any time when required.

For inside work, no wire smaller than No. 16 "B. & S.," or No. 18 "B. W. G.," will be approved.

16. Permission will not be granted for the use of the lights unless the wire comes fully up to the standard of conductivity, no matter how well the wiring may be done.

17. All parties, firms, or corporations proposing to do construction work or wiring, either outside or inside, must first satisfy this Union of their ability to do the work in a safe and acceptable manner.

18. Before using any new form of insulation the approval of this Union for its use under the proposed circumstances must be secured.

19. The use of lead-covered wire, or wire the covering of which contains paraffine, is prohibited.

20. Mouldings with open grooves laid against the walls or ceilings will not be approved. A wood moulding having a backing of at least one-fourth inch thickness to intervene between the wire and the wall or ceiling of the building, the backing to be protected by at least two coats of waterproof paint, and the moulding of such shape as to protect the wire from moisture, will be approved.

21. Wires laid in plaster, cement, or other similar finish will not be approved, no matter what insulating covering is used. An approved moisture-proof, non-inflammable insulating tubing or conduit may be used in such places. This tubing must be of sufficient size and so placed that the wires may be withdrawn and replaced at will. A separate tube must be laid for each wire, except in the case of "taps" for not more than 15 amperes, in which case conductors having only a cotton insulation separating them will be required. If a moisture-proof covering is desired, it must be placed outside the two conductors and not between them. In other concealed places, such as unfinished lofts, between floor and ceiling, in partitions, etc., all wires must be kept *absolutely* free from contact with any part of the building and must be supported upon glass, porcelain or other non-combustible insulators, with at least one inch clear air space secured, and they must be kept at least 10 inches apart when possible, and should be run singly, on separate timbers or studding. In lieu of such construction an improved moisture-proof, non-inflammable, insulating tubing or conduit will be accepted. Tubes of such approved make may be laid side by side when imbedded in plaster, or otherwise. Unless such tubing is used care must be taken to keep the wires away from metal pipes or other conductors. In insulating tubing, wires must have a non-inflammable insulating covering and they should be flexible. At all outlets to and from cut-outs, switches, fixtures, etc., wires must be separated from gas pipes or parts of the building by porcelain, glass, or other non-inflammable insulating tubing, and should be left in such a way as not to be disturbed by plasters. Wires of whatever insulation must not in any case be taped or otherwise fastened to gas piping. If no gas pipes are

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installed at the outlets, an approved substantial support must be provided for the fixtures.

22. The wiring of any building must be so calculated that there will be no loss greater than three per cent. for the total number of lamps to be used, when supplied from central stations, or eight per cent. if an isolated plant. A separate set of vertical mains must be installed for each floor; the lower ends of these feeders to terminate at the switchboard, if it be an isolated plant, or at the point of entrance if current is supplied from outside. Private dwellings are exempted from this rule.

23. Approval will not be given to any work where the wires have been "fished" any great distance.

24. Moulding must not be used in wet places.

25. In dye-houses, paper and pulp mills, and other buildings specially liable to moisture, all wires (except those used for pendants) must be separated at least six inches. The wire must be thoroughly and carefully put up, and must be supported by glass or porcelain insulators, or by rubber hooks. An approved moisture-proof, non-inflammable insulating tubing will be accepted in lieu of such construction.

26. In crossing any metal pipes, or any other conductor, wires must be separated from the same by an air space of at least one-half inch, where possible, and so arranged that they cannot come in contact with each other by accident. Wires should go *over* water-pipes where possible.

27. When wires pass through walls, floors, partitions, timbers, etc., indoors, glass tubing or so-called "floor insulators," or other moisture-proof, non-inflammable insulating tubing must be used.

28. Wires must never be left exposed to mechanical injury, or to disturbance of any kind.

29. Metallic staples must never be used; when staples are used, they must be of an approved insulating material.

30. None but an approved tubing will be accepted as a durable water-proof insulation.

31. Wires of the same polarity, but belonging to different circuits, or leading to and from a double-pole switch, must not run in one groove through the same tube, nor in the same slot in a cleat.

32. Cleats should be made of well-seasoned hard wood (filled to prevent the absorption of moisture), porcelain, or other approved material, and so made as to separate the wire at least one-fourth inch from the building. When secured by cleats not over four feet apart and tightly stretched in the same horizontal plane, wires having a difference of potential of 120 volts or less, should be separated at least one and a half inches; when they are confined in moulding, a half-inch space is sufficient. This rule applies only to small mains, taps, etc.; mains carrying currents of large volume should be separated a greater distance.

33. The dividing strip between grooves in moulding must never be reduced below one-half inch in thickness by cutting out to admit joints in wires.

34. Where exposed to acid fumes, vapors of ammonia, etc., wires should be provided with an insulation that will not be injured thereby, and should be put up in the manner described in Rule 24.

35. All splices in wires must be soldered; a soldering-bolt should be used for this purpose if possible. Care must be taken not to render the wire brittle by over-heating. Resin should not be used as a flux. Nothing but an acid solution should be used, and any excess should be washed off before the splice is covered.

36. The insulation of any joint must be equal to that of other parts of the same wire.

SAFETY CUT-OUTS AND SWITCHES.

37. Every system of conductors must be protected by safety cut-outs that will interrupt the passage through the conductors of a current stronger than they can safely carry. The carrying capacity (in amperes) of a fusible metal must be less than that of the smallest

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conductor it is designed to protect. Conductors include wire, cord, binding-screws, contact points of switches, sockets, cut-outs, etc.

Any fuse must melt immediately with any excess of the amperes which it is marked to carry.

28. A cut-out must be placed where the underground or overhead service joins the inside wires, and at every point where a change is made in the size of the wire (unless the cut-out in the larger wire is intended to protect the smaller).

29. Switchboards should be as non-combustible as possible, and so placed that they cannot in any instance communicate fire to other portions of the building. Cut-outs, switches, and other devices, which occasion a break in the circuit, must be so arranged that leakage of electricity from them is impossible, and should be made of and mounted on non-combustible material; must not be put in places liable to become damp; they must be protected from rubbish, etc., and should be easy of access.

30. Where it is necessary to use cut-outs and switches in damp places, great care must be taken to protect them from moisture, and to use only such as are provided with bases that will not absorb moisture.

31. All cut-outs must be double-pole.

32. The plug or other device for enclosing or supporting the fusible strip or wire should be incombustible and moisture-proof, and so constructed that an arc cannot be maintained across its terminals by the fusing of the metal.

33. No lead or composition strips carrying more than ten amperes before melting shall be used, unless provided with contact surfaces of some harder metal having perfect electrical connection with the fusible part of the strip.

34. All switches must have a firm and secure contact that will make and break readily, and that will not stick between "full on" and "off," nor get out of repair easily in other ways. The points of contact must not be allowed to scrape, or rub, the entire surface of an insulating material between the contact strips—an air space must intervene. The carrying capacity of the different parts must be sufficient to prevent heating.

35. Where points varying widely in potential are brought near each other by means of cut-outs, or switches, hard rubber, lava, or other approved material must be used in the construction of the cut-outs and switches.

36. Switches *should* be double-pole, and they *must* be when the circuits which they operate are connected to fixtures attached to gas-pipes.

37. On any combination fixture, no group of lamps requiring a current of seven amperes or over shall be ultimately dependent on one cut-out.

FIXTURE WORK.

38. In all cases where wires are concealed within, or attached to fixtures, the latter must be insulated from the gas-pipe by some device approved by this Union. An exception to this rule will sometimes be made in the case of a wall gas-bracket wired for one or two lights.

39. When holes are drilled in fixtures, all burs or fins must be removed from the edge of the holes before the conductors are drawn through.

40. When wired outside, the conductors used must be so secured as not to be cut or abraded by the pressure of the fastenings or motion of the fixture.

41. All wire used for fixture work must have an insulation that is durable, and not easily abraded; and must not, in any case, be smaller than No. 18 "B. & S.," or No. 20 "B. W. G." (This limitation of the size of wires is not intended to apply to fixtures manufactured previous to the adoption of this rule).

42. Each fixture must be tested for possible "contact" between wire and fixture, and for "short circuit" before current is turned on.

43. The tendency to condensation within the pipes or fixtures should be guarded against by sealing the upper end.

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54. No combination fixture with less than one-fourth inch clear space between the inside pipe and the outside casing will be approved.

PENDANTS AND SOCKETS.

55. No portion of the lamp-socket exposed to contact with outside objects will be allowed to come into electrical connection with either of the conducting wires.

56. Cord pendants must be protected by hard rubber bushing, or something equally good, where they enter the socket.

57. The use of paraffined insulation for pendants will not be approved.

58. Key sockets must not be used with wire pendants, unless the wire be composed of strands, *i. e.*, flexible.

59. When exposed to weather, or used in wet rooms, care must be taken to keep moisture from the inside of sockets.

60. The weight of every socket and lamp suspended by a cord must be borne by a ceiling block, rosette, or cleat, and by a knot under the bushing in the socket, in order to take all strain from the joints and binding-screws.

61. Flexible cord must not be used except for pendants, wiring of fixtures, portable lamps, and "mill work."

62. The two conductors of flexible cord must *not* have an insulation composed of an inflammable waterproof compound between them, but should be separated by a fibre insulation, or the like. If a waterproof insulation is necessary, it must be placed outside the two conductors, and must, in all cases, be covered with a non-inflammable outside coating, to prevent cord from carrying fire.

DYNAMOS AND MOTORS.

63. They must be located in dry places, not exposed to flyings, or combustible material, and must be insulated upon dry wood, filled to prevent absorption of moisture. They must be kept thoroughly clean and dry. They must be self-regulating, or a competent person must be in attendance near the machine whenever it is in operation. All resistance boxes or devices should be made of non-combustible material, or so located that they cannot communicate fire to any surrounding combustible material. In wiring for motive power, the same precautions should be taken as with a current of the same volume and potential for lighting. The motor (and resistance box) should be protected by a cut-out, and controlled by a switch.

SECONDARY GENERATORS OR CONVERTERS.

64. Converters must not be placed inside of any building. They may be placed on the outer walls when in plain sight and easy of access, but must be thoroughly insulated from them. If placed on wooden walls, or the wood-work of stone or brick buildings, the insulation must be fire-proof. When an underground service is used, the converter may be put in any convenient place that is dry and does not open into the interior of the building; this location must have the approval of the inspector before the current is turned on.

65. The converter should be enclosed in a metallic or non-combustible case.

66. If for any reason it becomes necessary that the primary wires leading to and from the converter should enter a building, they must be kept apart a distance of not less than twelve inches, and the same distance from all other conducting bodies. The insulation of the wire must be of the very best.

67. Safety fuses must be placed at the junction of all feeders and mains, and at the junction of mains and branches when necessary; also in both the primary and secondary wires of the converter, in such manner as not to be affected by the heating of the coils. Secondary wires, after leaving the converter, will be subject to rules already given for services, inside wiring, etc.

68. Any provision for grounding the secondary circuit, by means of a "film cut-out,"

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or other approved automatic device, will be accepted. Permanently grounding the secondary circuit will not be sanctioned.

MISCELLANEOUS.

69. Companies or individuals furnishing electricity from central stations must enter into an agreement with this Union, binding themselves to maintain at all times in their station some approved device to indicate any escape to earth, which may tend to develop leakages to water or gas pipes, or other earth connections within buildings. This approved means of testing shall also apply to separate or isolated plants, where special conditions of moisture exist, or in buildings subject to mechanical changes of piping, etc.

70. The wiring in any building must test free from "grounds" before the current is turned on. This test may be made with a magneto that will ring through a resistance of 10,000 ohms, where currents of less than 200 volts potential are used.

71. All incandescent work should be inspected before being concealed, and notice should be given this Union as soon as work is commenced.

72. The Boston Fire Underwriters' Union reserves the right at any time to add to, change, or modify these Rules, and to enforce such modifications, changes, etc., as it shall deem necessary for safety; and it will use all reasonable efforts to promptly notify all Electric Light Companies of any change.

73. Any additional loading of wires, either in a building as a whole, or in any department thereof, without the previous approval of this Union, or the Inspector, shall be deemed a sufficient cause for the suspension of permits until such approval is secured.

74. The running of wires for electric gas lighting on the same fixtures with electric lighting, *will not be approved.*

NOTES.

Concealed work should be inspected before being covered up, and, as a rule, incandescent work generally should be inspected before current is turned on.

The above Rules and Requirements are jointly adopted by the New England Insurance Exchange, "Associated Factory Mutuals," and Boston Fire Underwriters' Union, and are applicable to all Electric Lighting and Power work in New England, exclusive of those buildings in the State of New Hampshire not insured by the "Associated Factory Mutuals." The rules of Michigan and Ohio are practically the same as above.

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RULES

OF THE

NEW YORK BOARD OF FIRE UNDERWRITERS.

CONDUCTORS.

CAPACITY OF WIRES.

1. The conducting wires must be of copper and must have a weight per running foot at least equal to that of the wire (or parallel group of wires) constituting the main circuit of the magnetic regulator of the electric lamps (arc lamps), or of the armature of the machine employed, whichever of these is greatest.

JOINTS OR SPLICES.

2. All joints on wires must be so made as to secure perfect and durable contacts which shall always maintain a degree of conductivity at the joint at least equal to that of the wire generally.

3. The joint must be so made as in the ordinary "telegraph splice" that it is mechanically secure against motion or displacement and must then be further electrically connected by solder so applied as to leave no corrosive or otherwise injurious substance on the connection. After joining and soldering, the joint must be covered with insulating material in such a way as to make the insulation of the joint as good as that of the rest of the line.

4. A joint made by the process of electric welding would be the equivalent of one made as indicated above, but no joint depending upon solder for its mechanical integrity either wholely or in part will be allowed.

WIRES EXTERIOR TO BUILDINGS.

5. Outside wires must be covered with at least two coatings, one of insulating material impervious to water, next to the wire and the other of some substance fitted to resist abrasion or like mechanical injury, and must be firmly secured to substantial approved insulators, adequately supported. All "tie wires" or those used to secure the conductors to the "insulators" must be themselves covered with waterproof insulating and mechanically resistant material similar to that used on the conductors themselves.

6. Overhead conducting wires must be supported on poles as far as possible, so that they can be easily reached for inspection, and when this cannot be done, and special permit is granted allowing them to be carried over or attached to buildings, they must be supported at least seven feet above the general level of the roof, and at least one foot above the ridge of "pitch roofs."

7. Where wires approach buildings to enter them they should be so located as not to be readily reached by the occupants of such buildings, and in the case of arc light systems must maintain a minimum distance of ten inches and for incandescent systems of six inches except where the wires are carried in conduits.

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8. When these exterior electric light wires are near other conductors of any kind capable of carrying off a part of the current if contact should be made, dead-insulated guard-irons must be placed so as to prevent any such contact in case of accident affecting the wires or their supports.

9. Like precautions must be taken where acute angles occur in the line wires.

10. Overhead wires from the main circuit or pole lines in the street to the insulators attached to the buildings which they enter, must not be less than ten inches apart for arc wires or six inches for incandescent wires carrying currents of 250 E.M.F. as a maximum. They must be securely and rigidly supported on "insulators" of glass, porcelain or other approved material.

WIRES ENTERING BUILDINGS.

11. Wherever electric light wires enter buildings through their exterior wall the wires must be firmly supported and incased in tubes of non-conducting material not liable to absorb moisture (*e. g.*, porcelain or glass) and so placed as to prevent the entrance of rain water along the wires (*e. g.*, the tubes must slope *upward* as they pass *inward* through the wall).

12. Both the ingoing and return wires should enter the building at the same location and pass through an approved manual "cut-out box" or switch, which must be placed where it will be easy of access to firemen and the police.

HIGH POTENTIAL WIRES WITHIN BUILDINGS.

13. In the interior of buildings, wires for arc lights besides being covered with an insulating covering such as has been already described, must be in all cases securely attached and supported by insulators, which shall keep them out of contact with any wall, partition, ceiling or floor, so as to secure an air space of at least one-quarter inch between the wire and any adjacent wall, partition, ceiling or floor, and wherever the wires cross or come near to any other wires, pipes or other conductors, the wires must all be rigidly secured and separated from each other or any other conductors by means of some rigid non-conducting material.

14. Arc wires of opposite polarities (*i. e.*, the incoming and outgoing wires from each lamp or of each circuit) must be kept at a distance not less than eight inches from each other except within the structure of lamps or on switchboards, cut-out boxes or the like where a nearer approach is necessary.

15. In exceptional cases, however, where the wires are so rigidly secured and insulated that contact or connection between them is quite impossible, they may be allowed to approach much nearer. (*e. g.* If each wire or conductor is covered with a thick and indisplaceable insulation which in turn is covered by a leaden sheath or pipe, and then two or more such pipes are inclosed in an iron pipe in such manner that injury to the lead covered cables is impossible, this would be an allowable substitute for the eight inches of absolute separation called for in the general rule.)

16. Wherever wires are carried through walls, partitions or floors within a building, they must be surrounded by a special rigid insulating tube or casing impervious to water, and must be so attached and supported as to be secure from abrasion or other mechanical injury.

NOTE.—Rubber tubing will not meet the above requirement as an insulation.

ARC LAMPS.

17. The exterior frames and other exposed parts of arc lamps must be securely insulated from the electric circuit, and all such lamps must have glass globes surrounding the light and enclosed below, so as to prevent the fall of ignited particles. Where inflammable materials are placed below such lamps the globe must be surrounded by a wire netting capable of keeping the parts of the globe in place if it is fractured in use.

NOTE.—Broken globes must be replaced as soon as practicable by new ones.

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18. In show windows and other places where inflammable materials are displayed and in factories or wood-working establishments where "flyings" may be present in the air, each lamp must be provided with "spark arresters."

19. Each lamp must be provided with a hand switch and also with an automatic switch which shall shunt the current round the carbons before the arc between them reaches a dangerous length.

LOW POTENTIAL SYSTEMS.

DIRECT SYSTEMS.

20. In direct incandescent systems, the rules as to the capacity, location and arrangement of conductors is substantially the same as has been already stated, with the following exceptions:

21. In case the difference of potential at the positive and negative posts of the dynamo or dynamos developing the current is not more than 250 volts, the positive and negative wires in aerial lines and elsewhere which would otherwise be required to maintain a minimum distance of ten inches, may be brought to within six inches of each other. Also underground conductors may be enclosed both in the same tube, and if rigidly and securely supported, and surrounded by and embedded in a solid insulating substance, may lie within one-quarter inch of each other.

22. When underground service conductors enter a building care must be taken that they are at once separated to the required distance (see below) and are adequately and permanently insulated from each other and from the pipe in which they were enclosed, if they were enclosed in a metallic pipe or conduit.

23. They must also be adequately protected from mechanical injury and must be so located that a cut-out can be safely and conveniently located close to the end of the service pipe or conduit by which they are brought in.

LOW POTENTIAL WIRES WITHIN BUILDINGS.

24. In the distribution of the conductors through buildings "concealed work," such as the placing of wires under floors or within partitions, walls or ceilings, should be avoided as much as possible.

25. In perfectly and securely dry localities an approved insulated wire without waterproof covering may be used, provided the wires are not concealed and are supported by cleats or insulators.

26. Wherever the wires are to be in any way covered up they must be coated with an approved waterproof insulation, or otherwise protected in such manner as may be from time to time approved by the Committee.

27. In all cases of concealed work, the company proposing to introduce the same, will be required to furnish the Board with a detailed diagram of the work, showing the kind and size of wire used at the different branches, with particulars as to the insulation and in what materials imbedded, location of cut-outs, switches, etc. The diagram to be signed and sworn to by an officer of the company and filed with the Board for reference.

28. If wires are imbedded in the plaster of walls, ceilings or partitions, they must be separated not less than ten inches from each other, in addition to being insulated as above described, unless they are enclosed in approved conduits.

29. In buildings in course of construction, terminal wires must be so arranged as to be secure from injury by the plasterers.

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30. Wires insulated as above may be covered by or imbedded in mouldings in dry locations, but in breweries, paper mills, dye houses and other like places where they are exposed to moisture, they must be carried out of contact with the walls, ceilings and the like on approved "insulators," or in such waterproof and insulating conduits as may be approved by the Committee.

CONDUITS.

31. Conduits to be approved must be continuous from one junction box to another or to fixtures, and be of material that will resist the fusing of wire or wires they contain without destroying or igniting the conduit; and if not entirely imbedded in plaster or other non-inflammable material or not inflammable themselves, must have an outer covering that is non-inflammable and be so placed that they will be protected from injury and breakage; and all wires intended to carry more than five ampere currents shall be placed in separate conduits unless a special permit is issued for same; on branches intended for wires of five ampere currents and less, the positive and negative wires, if properly insulated, may be placed in the same conduit, provided a double pole safety fuse is inserted at each branch connection.

SECONDARY SYSTEMS.

32. In these systems where alternating currents of high electro-motive force are used on the main lines, and secondary currents of low electro-motive force are developed in local "converters" or "transformers," it is important that the entire primary circuit and the transformers should be excluded from any insured building, and be confined to the aerial line (the transformers being attached to the poles or the exterior of the buildings) or to underground conduits if such are used, or placed in fireproof vaults or exterior buildings.

33. In those cases, however, where it may not be possible to exclude the transformers and entire primary from the building, the following precautions must be strictly observed:

34. The transformers must be constructed with or enclosed in a fireproof or incombustible case, and located at a point as near as possible to that at which the primary wires enter the building. Between these points the conductors must be heavily insulated with a coating of approved waterproof material, and, in addition, must be so covered in and protected, that mechanical injury to them, or contact with them, shall be practically impossible.

35. These primary conductors, if within a building, must also be furnished with a double-pole switch, or separate switches on the ingoing and return wires and also with automatic double pole cut-out where they enter the building or where they leave the main line, on the pole or in the conduit. The switches above referred to should, if possible, be enclosed in secure and fireproof boxes outside the building.

36. In the case of isolated plants using the secondary system, the transformers must be placed as near to the dynamos as possible and all primary wires must be protected in the same manner as is indicated in paragraph 34.

INSULATION.

37. Where there is a possible exposure to water, the first or second coating must be impervious to the fluid.

38. For incandescent lamp fixtures and electroliers, exceptions may be made to the foregoing rule in which the wires can be placed nearer than the prescribed distance to each other, or to other conductors, provided the fixture is fully insulated at the base from house and ground piping, and further provided that a double pole safety catch is placed at the base of each fixture, or at the nearest branch connection as may be required by the Inspector of the Board.

39. In all cases where combination (gas and electric) fixtures are used, extra precaution must be taken to secure complete and continuous insulation from the gas piping.

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INSULATION IN GENERAL.

40. It is to be understood as a general or universal rule that all machines, lamps, wires and other parts of electric systems, are to be so constructed, mounted and secured as to insure complete and continuous insulation; with such exceptions only as are hereinbefore stated, and that in no case shall ground circuits be employed, or any part of the system be allowed to come in contact with the earth through gas or water pipes or the like.

AUTOMATIC SHUNT.

41. Whenever a current of such high electro-motive force is employed that if concentrated on one lamp or motor of the series, it would produce an arc capable of destroying or fusing parts of such lamp, an automatic switch must be introduced in each lamp or motor by which it will be thrown out of circuit before the arc approaches any such dangerous extent.

42. Means by which those in charge of the dynamo electric machines will be warned of any excessive flow of current, or means whereby the same will be automatically checked, must in all cases be provided.

FUSIBLE OR OTHER AUTOMATIC CUT-OUTS FOR LOW POTENTIAL CIRCUITS.

43. Wherever a connection is made between a larger and smaller conductor at the entrance to or within a building, some improved automatic device must be introduced into the circuit of the smaller conductor at or close to its junction, by which it shall be interrupted whenever the current passing is in excess of its safe carrying capacity.

44. The safe carrying capacity of a wire is the current which it will convey without becoming painfully warm when grasped for a minute in the closed hand.

CUT-OUT BOXES OR SWITCHES.

45. All cut-out boxes or switches which shift, transmit, or break a current, must be mounted on incombustible bases and so arranged as to close one circuit before they open another and operate in such a manner that no arc can be formed between the contact surfaces when thrown "on" or "off." It must be so far positive in its action that it cannot stop between its extreme positions. It must indicate on inspection whether current is "on" or "off." This rule applies to isolated plants as well as to those connected with central stations.

MOTORS.

46. The Rules and Regulations under the head of *capacity of wires, insulation, automatic cut-outs and switches* shall be observed, where electric motors are used, and in addition the motor frames must be properly insulated and so mounted as to be free from grounds, and each motor shall be provided with an approved switch to prevent an excessive flow of current.

STORAGE BATTERIES.

47. When the current for lights or power is taken from storage batteries, the same general regulations are to be observed.

MEANING OF TECHNICAL TERMS, ETC., ETC.

48. HIGH POTENTIAL CIRCUITS OR WIRES.—This term includes all wires arranged with the view of carrying currents of more than 250 volts difference of potential between any two parts of the system, even if such current is used to run incandescent lamps.

49. LOW POTENTIAL CIRCUITS OR WIRES are such as do not carry currents of more than 250 volts.

50. Companies furnishing electricity from central stations must enter into an agreement with the New York Board of Fire Underwriters, binding themselves to test their lines for ground connections at least *once* every day (and preferably three times per day), and to report the result of such tests to the Board weekly.

51. The Rules and Regulations of the Board of Electrical Control and all existing regulations of the local authorities with reference to stringing of wires must be strictly observed.

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REQUIREMENTS

— OF THE —

Philadelphia Fire Underwriters' Association.

WIRE AND INSULATING MATERIALS.

(ARC OR INCANDESCENT CURRENTS.)

The wire to be 95 per cent. in conductivity of pure copper and to have an insulated covering of material combining adhesiveness and flexibility without becoming plastic to a degree to cause it to bag, bake or crack, when exposed to external heat or sudden cooling, waterproof, and to retain these qualities in the different positions in which it may be required to be used. Paraffine wax, either as an inner or outer covering, will not be approved. A non-inflammable covering is preferable embodying other qualities required, but a claim for non-inflammability must be proven by subjecting the material to an arc formed on the wire. Lead covered wire must not be used unless by special permission.

White lead and cotton covered (termed Underwriters' wire) will be allowed under certain restrictions hereinafter mentioned.

CONDUCTIVITY.

Conductors employed must be of a gauge sufficient to transmit the current required without heating sufficient to affect the covering on the wires or at any point throughout the entire circuit, including the sockets of lamps, joints, and especially where connections are made with metals other than copper employed in the circuit. This precaution must be observed, especially where wires are to be confined in wood mouldings *wherein* the insulation is more apt to be affected or destroyed by heat from excessive flow of current.

NOTE.—Undue heating on air lines can occur, and although the temperature may not be dangerous, defective lighting will result, denoting bad workmanship.

INSULATING MATERIAL.

Glass, porcelain and wood will be allowed to support wires in positions when specified. Hard rubber tubing of a thickness not less than one-sixteenth of an inch for the smallest wire, and of a greater thickness in proportion to the increase of the conductor, will be required to protect wires when they pass through brick, stone, iron or wooden walls, floors, or from metal pipes, rods or girders. Soft rubber tubing will not be approved as a protection against metals or moisture. Where its use may otherwise be allowed, tubing of an extra thickness and having two ply of cloth will be required. No rubber hooks will be allowed.

INTERIOR WIRES.

All electric light wires in buildings should be attached in a manner permitting easy access in case of any arising defect or disarrangement of the conductors. The customary plan of concealing wires beneath floors and in hollow spaces or in plaster is not recommended and will be hereafter allowed only under certain restrictions further described. At the same time conductors should not be exposed to mechanical injury, or to the reach of persons, and when conditions will permit, conductors should be encased in wood mouldings exposed on ceilings or walls, or in an approved tube of insulating material.

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CONCEALED WIRES.

No wires carrying a current above 250 volts will be allowed concealed.

When it is desired to place wires under floors or in hollow floors, the wires must be covered with a non-inflammable material and insulated from the building with porcelain or glass insulators, leaving at least a half-inch air space between the building and the wire. In passing through joists, walls, ceilings or across metals or other wires, the conductors must be surrounded with an insulating and waterproof tube. Wires to be kept two and a half inches apart and beyond the reach of floor or lath nails, and secured in such a manner as to prevent direct contact between conductors. The spaces under water tanks, toilet or bath-rooms must be avoided.

When an approved tube of insulating and waterproof material is used to encase the wire its entire length, the tube may be secured to the building.

Where it is desired to incase wires in moulding, this will be allowed in dry places only, and a wire having not less than two coatings, an inner one to consist of a good waterproof material must be used.

The moulding must consist of a backboard with not less than three-eighths of an inch of wood between the wires and the back of the moulding containing the grooves, and a capping lengthwise must lap over the joints of the backboard and be made secure at the ends. When passing up through the floors, the moulding must be continued or the wires protected in hard rubber tubing. The use of metallic staples for securing wires, under any conditions, is prohibited.

NOTE.--One of the greatest dangers to be avoided in concealed work is the part severing of a wire by a nail.

DYNAMOS AND MOTORS.

(ARC OR INCANDESCENT CURRENTS.)

Dynamos and motors must be mounted by or under the supervision of the manufacturer or a properly qualified electrician.

Dynamos must be guarded from moisture and exposure to rain from open skylights or windows, or from metal chips or filings. A waterproof cover must be used to cover dynamos when the latter are not in use. Dynamos and motors must be insulated from metal supports where attached to walls, and kept clear of explosive dust or light combustible materials.

PUBLIC SERVICE WIRES.

(ARC OR INCANDESCENT CURRENTS.)

Overhead service wires leading to a building must be kept clear of direct contact with the building itself, by being secured on glass insulators, the latter pointing upwards and attached above awning frames or other metals, and a specially insulated and waterproof covered wire must be used from the glass insulators to the interior of the building, the wires to be directed upwards as they enter, and when passing through walls or woodwork the wires must be encased in hard rubber tubing secured against shifting.

Wires entering from an underground system must be carried to a safe point to join the house wires. If the wires enter through an open pipe leading from a hollow underground conduit, the service pipe must be closed with non-conducting material at the outlet, to prevent the entrance of gases into the building.

WIRES TO BE EXPOSED.

(ARC OR INCANDESCENT CURRENTS.)

Where dampness or moisture is present, or is likely to exist, wire with a special waterproof and durable insulating covering will be required. Wires to be exposed to the atmosphere and secured on glass insulators.

In such places wires carrying current of 250 volts or less must be separated not less than six inches; with high tension currents, the wires must be kept eight inches apart.

Where necessary to cross close to metal, gas, water or heated pipes, a special insulating

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protection must be used to prevent any possible contact between the wires and metal; or against damage to covering of the wires from undue heat.

Glass or porcelain insulators must not be fastened directly to iron or brick walls, metal beams or girders. The insulators should be attached to wooden blocks or plugs coated with a durable waterproof material or set on proper iron brackets.

When chemical vapors are present, wire having suitable and durable covering must be used, the wire to be attached in the manner as specified in wet places.

White lead and cotton covered (Underwriters') wire may be used in places perfectly dry and free from chemical vapors. The wire to be fastened on porcelain or glass insulators. With this described covering wires carrying currents of 250 volts or less must be kept two and a half inches apart, and with high tension currents a separation of not less than eight inches will be required.

All wires must be protected as required in describing insu lating materials. All tie wires must be insulated, and the fastening of wires to insulators should be done in such a manner as not to destroy the insulation on the conductor at that point.

All exposed wires in a building must be protected against mechanical injury from the handling of merchandise, movable belts or shafting. Where vertical wires are used, a surrounding box sufficiently high to prevent contact with the conductors, of persons, merchandise, belts, etc., must be used. The boxing must be so constructed as to be open at top and below at the floor, and leave at least two inches air space around the conductors.

JOINTS.

All joints in wires must be of the telegraph twist pattern with not less than four turns at each side of the splice, properly made and soldered in a manner to make a contact of at least the same dimensions as the sectional area of the largest wire of the joint. Care should be exercised not to make the soldered surface unnecessarily long, thereby impairing the flexibility of the wire at that point. Chloride of zinc solution must be used in soldering. The joints must be carefully and securely wrapped with not less than four layers of good adhesive insulating material, sufficient to make the insulation equal to that of the rest of the work. In making joints, good copper contact should be made; no contact should be dependent on solder alone.

NOTE.—Solder is a poor conductor, a metallic cement liable to be fused by frequent short circuiting, leaving a defective joint if not having firm copper contact.

PENDANT WIRES AND MANNER OF ATTACHING.

(INCANDESCENT LIGHTING.)

Where wires enter the sockets of lamps, an insulating ring or tube should surround the wires. In damp or wet places the sockets of lamps must be protected by a waterproof covering.

Pendant wires in damp or wet places or where subject to chemical action, must have an insulation equal to that required of the line wires.

In dry places where lamps will be beyond reach of handling and free from other conductors, white painted (Underwriters') wire may be used for pendants.

Pendant cords—Flexibles—when not attached to an individual cut-out must be suspended in a manner to relieve the fastenings from the dead weight of the lamp by the use of a rosette or porcelain knob at the ceiling, and in all cases a knot in the cord placed in the handle in such a manner that the connection will be relieved of all strain. All key sockets suspended by flexible pendants must be provided with a suitable handle.

Where it may be necessary to hang up pendant lamps when not in use, some suitable device to protect the insulstion must be attached to the conductor.

Where lamps are to be suspended in show windows, or in factories where combustible flyings are present, the pendant wires must be encased in an insulated tube.

NOTE.—Vegetable, animal or petroleum oils allowed to come in contact with pendant wires, will dissolve or destroy rubber or other insulating covering commonly used, thus allowing contact between conductors.

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FIXTURES.

Where wires are concealed on gas fixtures, the latter must be securely insulated from the gas pipe by an approved insulating joint.

Wire covered with a durable, moisture proof insulation, approved by this Association, must be used where wires are concealed in fixtures. A similar insulation must be used where fixtures are wired on the outside, and the wire must be attached in a manner leaving a slack in the wire between the fastening at the ceiling and the point where the wire is attached to the fixture, with the same precaution at every sharp projection or movable joint. The wire to be fastened loosely to the fixture with an insulating material.

A cluster containing a large number of lamps, must be divided into two or more groups, of not more than five amperes, each group to be supplied with a cut-out, unless permission is otherwise allowed.

In every case lights on a fixture must be connected with a cut-out.

When wire are drawn through a ceiling plate, the latter must be either of insulating material or made so where the wires pass through.

Wires leading from the ceiling down to a fixture must be of sufficient length to allow connection with fixture; wire to be made below an insulating joint.

Fixtures made for concealed wires must be jointed and finished in such a manner that the conductor may be drawn through without injury to the covering of the wires and a test must be made to detect any defect in the insulation between fixtures and wires.

Lamps attached to gas fixtures must be insulated at the socket. No rubber bushing will be allowed under a gas burner, and the latter when removed must be securely replaced and make gas-tight.

SAFETY FUSES AND HAND SWITCHES.

(INCANDESCENT SYSTEM.)

A fusible connection must be inserted at the main wire near the dynamo, at the joining of public service wires with house wire, and at every connection between main and different sized conductors. The melting point of the fuse not to exceed the safe carrying capacity of the wire to be protected, a fusible connection to protect each wire.

The metallic parts employed in fuse devices and switches must have sufficient conductive capacity, and the contact points so perfect as to prevent heating. The fusible device must be so constructed that the melting of the fuse will insure a perfect break in the circuit.

Fusible strips carrying over ten amperes must have a solid copper service at the contact ends, the contact points formed by the fusible strips being well clamped between metal plates, allowing an air space between the strips and the base of the cut-out.

The base or boxes supporting the cut-outs, switches or resistance coils, must be of incombustible and waterproof material.

Where necessary to put cut-outs in wet places the device must be enclosed in porcelain or supported on porcelain knobs, the whole device to be made waterproof.

Fuse strips exposed must be located clear of inflammable material, explosive dust or vapors. In all cases, cut-outs, switches, resistance boxes and similar devices must be located at points of easy access, and where they can be examined to detect undue heating. All switch and fuse devices must be subject to inspection and approval.

The substituting of a wire or other metallic substance in lieu of a proper safety fuse will when detected be sufficient cause for a withdrawal of privilege to use electric currents in such premises.

NOTE.—Loose screw or spring connections cause interruption to the current, developing dangerous heat at such points.

INCANDESCENT LIGHTING FROM ARC CURRENTS.

With this method of furnishing incandescent lights the wires must not be concealed or attached to the gas fixtures. The running of the wires must be in the manner specified, as

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with high tension currents. Wires of the same polarity running parallel with each other, if of different potential, must be securely separated. Notice must be given of any proposed introduction of incandescent lights from arc circuits, and all devices designed for such methods must be subject to approval by this Association.

MOTORS.

Wires supplying currents to motors are subject to the same requirements as wires used for lighting. A hand switch must be located at the point where the wires enter the premises in which the motors are used.

LAMPS.

The frame work of arc lamps must be insulated; each lamp must be provided with a hand switch. The bottom of the lamp must be so constructed as to prevent the falling out of the carbons or heated particles. The light must be enclosed in a globe, the latter to be surrounded with wire netting. In factories where combustible flyings are present, a hood must extend from the globe to the body of the lamp to prevent contact between inflammable material and any part of the carbons.

Arc lamps must be guarded from any possible disarrangement of belts, especially while the latter are in motion.

Closely woven fabrics should not be allowed to rest on or bear heavily against incandescent lamps.

Lamps must not be removed from the socket while lighted.

The common feature of sockets, admitting the introduction of lamps of various candle power is a source of danger, especially in private plants. In any case the changing from a lower to a higher candle power indiscriminately is prohibited unless the conducting capacity throughout has been calculated for such increase, and permission granted by this Assotion.

ALTERNATING CURRENTS.

Companies or individuals desirous of introducing into buildings converters with over 300 volts in the "primary" wires will be required to submit the converter to inspection, and such tests as may be deemed necessary by the inspector. The introduction or locating of converters of this description must be subject to approval before they are installed.

BUILDING CUT-OUTS.

Where high tension currents enter a building either from an overhead or underground system, a cut-out box must be located at an accessible point, whereby the current may be shut off from the building.

TESTING.

Upon the completion of the wiring in a building, a thorough test must be made to insure perfect insulation before the current is turned on. Private plants and public stations will be required to make tests to discover any ground contacts or other imperfection of the circuits, and have the same removed when discovered. In public stations a report of such tests and findings must be kept for examination.

When buildings are wired for incandescent lighting where the source of supply is not determined upon, a capacity of one ampere for each lamp must be allowed throughout, and the main conductor must be gauged so as to permit the introduction of the current either at the upper or lower part of the buildings.

Persons desiring to introduce electric currents for light, heat or power into the building insured or containing insured goods, must notify this Association, giving the purpose and description of the proposed installation, which must be subject to inspection and approval before introduction of the current.

These requirements must not be construed by inexperienced persons as covering the

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matter of safety, as many necessary and important features not admitting of a standard rule are omitted, subject to consideration.

Therefore, the constructing of, altering, repairing or adding to any electric light apparatus in an insured building must be done only by persons having license or authority from this Association.

Where, from the nature of circumstances, it is found impossible to follow these requirements, or where features are reserved for special disposal, the inspector must be notified beforehand and his decision and rulings must be followed.

Under no consideration shall an electric current be used or be allowed in wires until a certificate has been granted for the same.

All wires intended to be hidden from view must be inspected before concealment.

REQUIREMENTS

— OF THE —

ELECTRIC MUTUAL INSURANCE CO.

CONSTRUCTION OF BUILDING.

Material of Walls.—It should be built of brick, or other fire-proof material, and not over two stories high. A wire tower, or basement, will not be regarded as a story.

Material of Roof.—The roof should be covered with metal, slate, composition, tar and gravel, or other non-inflammable material, and the cornice should be of brick, metal, or open and plain. Boxed or cased wooden cornices are undesirable.

Wooden sheathing should not be placed on roof timbers or rafters so as to leave concealed space, and vacant attics should be avoided. With either pitch or flat roofs, it is desirable that no attic or blind space be left.

Material of Floors.—The floors (if not made of some fire-proof material) should be at least three inches thick, preferably of two or three-inch plank, grooved and splinted, with one-inch jointed hardwood for a top flooring. Maple, birch, beech or hard pine are desirable for the "top flooring," as they do not readily absorb oil. If the station is more than one story high the floors above the ground floor should be free from all openings, if possible, in order that a fire originating on one floor would not readily communicate to another through the openings in floors.

Stairs and Elevators.—Stairs and elevators should be placed outside, where possible, or if inside the building, stairs should be completely partitioned off from the room below, with some hardwood or other slow-burning material, and provided with self-closing doors hung at the bottom of the flight. Elevators should not be cased up but should be provided with approved, self-closing hatches.

Inside Finish.—There should be *no* inside finish such as sheathing, lath and plaster, or any finish that would leave concealed spaces between outer and inner walls, or add inflammable material to the station. If the building is of brick, the inside should be left perfectly plain, being finished with paint if necessary to cover the roughness. If constructed of wood, the timbers and boarding should be dressed on the inside if a rough finish is undesirable. But by all means the inside walls and ceiling should be left plain and open, sacrificing beauty for safety, always.

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Boiler-House.—Boilers and boiler chimney should be cut off from the engine and dynamo-rooms by a fire-wall (not less than eight inches if brick, and thicker according to the character of building) with as few openings or communications as possible, and such openings should be protected with heavy, tin-clad doors (or shutters, if windows). The cut-off wall should extend high enough between the boiler-room and engine or dynamo-room to effectually stop communication of fire between them.

No wood should be in contact with any part of the boiler-setting, and roof or floor should be three feet or more from the boilers.

Fire-Doors and Shutters.—An approved fire-door or shutter is made of two thicknesses of one-inch matched boards, a layer of asbestos between boards, and nailed together with clinch-nails. The boards should run diagonally, the two sides in opposite directions, to give strength. The covering should be with "I-C" tin, 14x20, laid on with flat lock, securely nailed under the lap, the covering to commence at the edge of the door, and "locked in" to the centre of the side of the door. Both sides and the edges should be covered, and great care taken that all joints lock. Sheet tin should be used, and *not* sheet iron, the latter being too heavy to allow of lock jointing. The doors or shutters should be hung with substantial hinges, preferably wrought iron, bolted through the door and equally as securely fastened to the door-frame or building. The frame, or casing of the door, should be as securely tin-clad as the door. The door, or shutter, should be provided with a strong latch to hold it firmly in place.

Doors should be self-closing to insure their being kept shut. If *necessary* to have them open for ventilation or other purpose, they should still be provided with the self-closing apparatus, but held open by a long hook, or stay, made in two sections and joined together by a soft solder that will yield at a temperature of 150 degrees Fahr., and allow the door to automatically close, or by some similar arrangement.

Whether fire originates in the boiler-room or the engine and dynamo room, the efficient fire-wall is valuable in saving from injury either the one or the other, and thereby lessening the delay and loss incident to a destruction of the whole plant.

Chimney and Iron Stack.—If the chimney is of brick it should never be less than two bricks thick, with air-space, and should be free from contact with wood, where possible.

If an iron stack is used, and it goes through a wooden roof (or floor), the wood should be cut away at least one foot all around, and a metal collar placed over the opening. This collar should not come within three or four inches of the iron stack, but should be turned up on the inside edge, flange-like, around the stack. Above the collar should be placed a hood sufficiently wide to prevent storms from beating in.

Such an arrangement will, in addition to being safe, serve as a good ventilator for the boiler room.

Automatic Sprinklers in Lieu of Fire-Wall.—Where a fire-wall, as above described, is impracticable or undesirable for any reason, an approved equipment of automatic sprinklers thoroughly covering the area of the boiler-room will be accepted in lieu of such fire-wall. The pipe supplying the sprinklers must be of sufficient size to adequately supply all of the automatic heads at one time, upon the assumption that such an emergency may arise. The water supplying the pipes must come from some water-works, or other gravity source with sufficient head and supply to give a satisfactory pressure and quantity.

The gate-valve admitting the water to the sprinkler pipes should be securely fastened *open*, and sealed to insure its being *always open*. An auxiliary supply to the sprinklers should be provided by attaching the boiler feed-pump, or any other forcing pump of sufficient capacity, on the premises; the pump to be used in case the gravity supply should happen to be shut off when needed.

(Specific information in relation to sprinklers and supply will be given if called for.)

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ELECTRICAL EQUIPMENT.

Insulation of Dynamos.—All electric generators should be well insulated on dry floors, on dry wood base frames, and if the latter, they should be well painted in order that they may not absorb moisture or oil, and they should at all times be kept free from oil by frequent wiping. Dynamos should be provided with waterproof covers, to be kept on them when not running.

Wiring.—All wiring from dynamos, generators, or exciters, to switchboards, rheostats, or instruments and devices of any nature, and from thence to outside lines, should be run in *plain sight* and wholly on non-combustible insulators such as glass, or porcelain, or on hard rubber hooks. Where any wires pass through wood (either floors, partitions, or walls), they should be absolutely free from contact with the wood by the use of non-combustible, or non-inflammable insulating tubes, such as glass "floor insulators"; wooden cleats should never be used in a station.

Separation of Wires.—Wires of opposite polarity, or the same polarity where any great difference of potential exists, should be rigidly kept apart sufficient distance to preclude the possibility of their coming in contact.

'Bus Bars.—'Bus wires, or bars, and all connections thereto, should be ample in carrying capacity to prevent heating under any normal conditions, and they should be supported on non-combustible insulators, absolutely free from contact with wood or other inflammable material.

Connections, Splices.—All wire connections or splices should be equal in carrying capacity to the wire itself, and they should be soldered if necessary to secure permanent good contact and conductivity.

Wires Under Floors.—Where possible, it is preferred that wires should be run from dynamos directly up to proper insulators overhead, rather than down, through the floor and up again to switchboards, etc. If it should be impossible to avoid running them down through the floor, the best of insulation that will not yield to the solvent action of oil, and also glass floor insulators must be used. The space under the floor should be ample to admit of easy examination and good ventilation, and the wire must be specially insulated and run on non-combustible insulating supports.

Switchboards.—All switchboards should be set out from the walls or partitions, so that free access can be had all around them. They should be made of non-combustible material, such as slate or the like; or, if made of wood, they should be "skeleton" in form, and of oak, hard pine, or other slow burning wood. They should never be built in compact, solid form, extending from floor to ceiling, but should be in such form that no arc or fire could occur without being discernible from any part of the room.

All wiring on the switchboard (if of wood) should be on glass or porcelain.

Rheostats.—Unless the case or frame surrounding rheostats or similar instruments is made of non-inflammable material, they should be set out from the woodwork by placing porcelain knobs, or the like, behind them.

It is preferable that all such devices be placed on the switchboard, or on non-combustible walls.

Feeder Equalizers.—The frames of feeder equalizers should be of iron or other non-combustible material, and they should be set at least one foot from any wood or other inflammable material. Where they are grouped together, or cannot readily be arranged as provided above, they should be separated by asbestos or cement from wooden floors or walls, and at once protected by a sufficient number of automatic sprinkler heads with gravity supply of water constantly on them.

Wire Tower.—If a tower is used for wires entering the station, it should be easy of access for inspection, sufficiently large to prevent crowding and dangerous crossing of wires, and the wiring should be only on non-combustible insulators; glass, or other equally good, non-inflammable insulating tubing to be used where wires pass through the sides.

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Lightning Arresters.—Both sides of every circuit should be provided with lightning arresters, placed in some location in plain sight, preferably on the switchboard away from woodwork. The ground wire should be of large size. A "saw-tooth" arrester should not be used on any circuit of over 125 volts.

All arresters for currents of over 125 volts should be so constructed as to instantly break the arc after the discharge has passed off.

FIRE APPARATUS.

Gravity Supply of Water.—Every station should be supplied with water from some gravity source, such as public water-works, or a tank with not less than 2,500 gallons, elevated enough to furnish pressure necessary to reach any part of the building.

Size of Pipe.—The outlet pipe from the water-works or tank to the hydrants should not be less than two inches in diameter, and larger according to the size of the station.

Hydrants.—If the engine and dynamo room are separated from the boiler-room by fire-wall and fire-doors, there should be a hydrant on each side of the wall, located at some accessible point where it would command all parts of each room and could be readily reached and controlled from the inside or outside.

Hose.—The hose on these inside hydrants should not be larger than one and one-half inch diameter, and need not be larger than one inch. Hose of small size can be more quickly and easily handled by one person. It should be the best in quality, say cotton woven and rubber lined, and should be constantly attached to the hydrant, and kept on a proper shelf or hose rack, lapped one fold upon another so that it can be taken off without twist or kink. It should never be coiled up, except the coil is started at the middle of the length, so that the two ends will be together; otherwise when uncoiled it will contain a twist for every convolution. The hose at each hydrant should be of sufficient length to reach all parts of the rooms it is designed to protect, but not so long as to be cumbersome. It is well to have an extra length or two in reserve.

Nozzles.—The nozzle should be small at the delivery end, not over one-half or three-eighths inch, in order to give greater pressure, and there should be no cock or valve in it, as they are liable to stick from corrosion and other cause.

Valves.—The valve for letting on water should be at the hydrant where the hose is kept attached, and it should be occasionally tried to see that it works freely.

Secondary Supply of Water.—As an auxiliary water supply, the hydrants should be connected with the most powerful forcing pump on the premises, by a pipe of the full capacity of the pump or of the hydrants. Public water sometimes gets shut off, or its pressure becomes reduced, and tanks or other sources may become exhausted; therefore it is important to have pumps attached to hydrants.

Tell-tale for Tanks.—If a tank is used, a "tell-tale" should be arranged to indicate to the proper person when the water becomes lowered by evaporation or otherwise.

Fire-pails.—Each floor must be provided with not less than three fire-pails (and more if a large room), which should be constantly filled with water unless a supply is on hand in the room, such as from faucet in sink, or barrels kept full. The pails should be of galvanized iron, fibre, or some similar material that will not shrink and become unserviceable in time, and they should be kept exclusively as fire-pails.

Fire Extinguishers.—In the absence of a gravity supply of water, the inside hydrants must be supplied from the boiler pump, or other forcing pump, and the station should be supplied with two or more fire extinguishers, similar to the modern "Babcock Pony Extinguisher."

Outside Protection.—If the station is located in a town having a fire department with water-works or steamers, or both, a special hydrant (if water-works) should be secured and set within 200 feet of the building, unless there exists one within that distance. If the service consists of a steamer or steamers without water-works, a reservoir or other supply for the steamer should be located within the distance above named.

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Fire-Alarm.—If there exists an electric fire-alarm system in the place, a special box should be secured and located at the station, unless there is one within a couple of minutes' reach, and a key (unless it is a keyless box) should be kept at the station. In the absence of any electric fire-alarm system, a signal, such as blowing the whistle, should be agreed upon with the Fire Department, in order that a call for help may be quickly responded to.

Exposures.—If there are other exposing buildings or hazards within 50 feet, the station should be protected by tin covered shutters at the windows or other openings on the exposed sides, if it is built of brick or has other fire-proof walls. If the station is built of wood, the exposure may sometimes be reduced by running a line of open sprinkler heads along the top of the exposed side; the pipe supplying the heads to be of ample size to give them all full pressure at once, and it should be connected to some gravity source of water or force-pump, with a valve to open and let on the supply in case of fire in the exposing building.

Dwellings will not, ordinarily, be regarded as exposures.

CARE AND ATTENDANCE.

Attendance.—The station should not be left alone any considerable time, and a competent man should be kept constantly in the dynamo and engine rooms when in operation.

Oily Floors.—As oil has been the most prolific cause of the spread of fires and the consequent serious damage in electric stations, it will be required that the floors and machines be kept as free as possible from the accumulation of it on them.

Washing Floors Weekly.—If dynamos are properly insulated on dry, painted wooden base frames, and if the wiring is properly done by carrying conductors up direct from the dynamos to insulators overhead, it will be quite safe to wash the floors every week, and thereby keep them free from oil. Washing may be safely done where wires pass down through the floors, if good waterproof insulation and glass-floor insulators are used.

No wire should ever be laid *in* the floor, or under moulding or boxing on the floor.

Waste.—Oily waste should be carefully deposited in metal waste cans, kept in the engine and dynamo room for that purpose. It should never be laid on the floor or in wooden boxes.

Oil-room.—Oil tanks should be kept in a room with cement or other non-absorbent and non-inflammable floor, or should be provided with metal pans under them, and any accumulation of open oil in pans or about the station should be avoided.

NOTE.

After every precaution has been taken to avoid fires happening, it must be conceded that they are liable to happen; and the aim of this Company is to reduce the chances of such accidents, by approved construction of the building and safe electrical installation, and then, recognizing the fact of the inevitable fire, to have the station kept as free as possible from inflammable substances, particularly as to oil around engines and dynamos, and so equipped with ready and efficient fire-extinguishing apparatus that the least possible damage will be done. If everything fails, and the station is destroyed, it should be fully insured, but, by neglecting precautionary measures, the price of full insurance is so large as to preclude it. If it can be secured at *cost* after all precations are taken, it should be carried by every station-owner.

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RULES

— OF THE —

Board of Electrical Control of New York City.

1. No two lines of poles bearing conductors of a like class shall be erected on any street or avenue.

2. No two lines of poles shall be erected on the same side of any street or avenue.

3. Poles shall be set in the sidewalk twelve inches from the outside of curb, and no pole shall be placed within ten feet of any lamp-post or other pole, except at street corners where necessary in order to support wires running on the cross streets.

4. All poles now standing, or to be hereafter erected, shall be branded or stamped with the initials of the company owning them, at a point not less than five nor more than seven feet from the street surface; and when a pole is occupied by wires belonging to more than one company, each group of cross-arms, or where necessary the support of a single wire of different ownership, must be distinguished by some characteristic paint, mark or fastening.

5. Electric light lamp-posts shall be in accordance with the plan adopted by the board.

6. All poles erected for the purpose of carrying lines of more than two electric light or power wires shall be at least forty-five feet high, uniform in size, straight and painted from top to bottom—a very dark color from the sidewalk to a point eight feet high, and a dark green color above that.

7. All poles for carrying not more than two electric light wires shall be twenty-five feet high, straight, uniform in size, and painted from top to bottom—a very dark color from the sidewalk to a point eight feet high, and a dark green color above that.

8. Cross-arms shall be uniform in length, strengthened by braces, and painted the same color as the poles; the cross-arms of each company being distinguished by some characteristic mark.

9. Each line of poles must be run on one side of the street only, except when absolutely necessary to change to the other side; but this may only be done by the permission of the board or of its engineer or expert.

10. Electric light conductors must not be placed upon fixtures erected or maintained for supporting wires of the other class, namely, those for signaling, except by permission of the board.

11. Poles shall be uniformly spaced, and about sixty to the mile. This requires on the short city blocks of two hundred and sixty feet, alternately, two and three poles to the block.

12. All conductors shall be secured to insulating fastenings, and covered with an insulation which is water-proof on the outside, and not easily worn by abrasion. Whenever the insulation becomes impaired it must be renewed immediately.

13. No wire shall be stretched within four inches of any pole, building or other object without being attached to it and insulated therefrom.

14. Every wire must be distinguished by a number plainly marked on each cross-arm under the insulator.

15. No unused loops from electric light circuits shall be allowed to remain after lamps are taken away, except in cases where it is positively known that the lamp will be required again within three months, and where there is no underground conduit for that class of circuits.

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16. All arc lamps must be so placed as to leave a space underneath of nine (9) feet clear between lamp and sidewalk.

17. All wires must be stretched tightly and fastened to glass or porcelain insulators, approved by the expert, with a strap of the same kind of wire.

18. All connections with lines of electric light conductors shall be made at right angles to the same; and connections to buildings shall be run straight across to the building and then down the front of the building.

19. All joints must be as well insulated as the conductors, and the insulation of joints shall be maintained.

20. Every line entering a building shall be controlled by a cut-off, placed near the entrance, in sight, and easily accessible.

21. No wires shall hang within twenty feet of the pavement at the lowest point of sag between supports.

22. In the construction of lines the insulation to be used must be approved by the expert of the board in writing, and the insulation resistance must be maintained in accordance with a standard to be not less than $\frac{1}{8}$ megohm per mile per hundred volts. And under no circumstances shall underwriters' wire be used.

23. All circuits must be tested every hour, and when a ground comes on, effort must be made to remove it at once. Failing in this, the current must be discontinued, until the insulation is restored.

24. The insulation must be preserved throughout the entire circuit, and if any portion of a lamp or fixture is a part of the circuit and can be touched, it must be insulated.

25. All conductors shall have a resistance uniformly distributed of not more than 30 ohms per mile per ampere, and proportionately less for heavier currents.

26. All existing regulations of the local authorities in regard to the placing of poles and stringing of wires are to continue in force, except when in conflict with these rules; and the rules and regulations of the New York Board of Fire Underwriters must be strictly observed.

27. The violation of any of the rules and regulations of the board shall operate *ipso facto* as a revocation of the permit held by the company or person guilty of such violation.

28. Whenever hereafter any company shall be permitted by this board or its successors to erect posts or poles, or other fixtures bearing lamps or other devices, for the purpose of lighting by electricity the streets, avenues, highways, parks, or public places of the city, the said permission shall be granted only subject to the following provisions, and the same is hereby expressly made a condition of said permits. At any time when, by action of the city authorities, the contract for lighting any such street or other public place shall be given to another company, the company erecting said lamp-posts shall, on tender of the first cost thereof, yield possession and ownership of the same to the said other company obtaining the new contract, except in cases where the company owning the lamp-posts prefers to remove them.

29. All broken and "dead" wires, and all wires, poles and fixtures not actually in use —subject to Rule 15—must be removed from the streets, avenues and highways of the city. When an old pole is taken down it must be removed from the streets the same day. New poles must not be brought upon any street more than two days in advance of their erection. Any pole that shall lie on any street more than two days shall be removed by the Bureau of Incumbrances of the Department of Public Works, at the expense of the party owning it.

30. From and after the 1st of January, 1889, no company shall do business of arc electric lighting in the city of New York without a certificate of the board, granted on the recommendation and after inspection by the expert of the board, to the effect that its lines comply with all the rules and regulations of the board, and that its plant is in proper condition for the doing of its business. The force of the certificate to continue until changes are made, of which the board must be notified and approve, or so long as the plant and conductors remain in the same condition as when inspected.

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31. Every lineman must wear a badge in a conspicuous place, giving his number and the name of the company by whom he is employed.

32. All permits of the board for overhead wires and fixtures are granted only pending the providing of underground accommodations in the neighborhood of the street or avenue for which the permit is granted.

33. Any member or officer of the board, and every inspector employed by it, as well as every member of the police force of the city, shall be entitled to examine the permits under which work of any kind is being done.

34. No permit shall be granted for the erection of any overhead structure, nor for the renewing of any lines already existing in any street, avenue or highway in which underground accommodations for the service have been provided, or are being provided.

35. Every line, pole, fixture, etc., must be kept in thorough order, repair and conformity with these rules and specifications, upon penalty of forfeiture of all permits granted to the owner by this board. But the general permit under which these repairs are to be made does not cover the erection in any street, avenue or highway of any new poles or other similar fixtures, and has absolutely no reference whatever to lines which have been ordered underground by the board, and which the Mayor has been requested to remove. In the case of such lines, where notice has been given that underground accommodations have been provided, and the ninety days of notice required by law have elapsed, and the Mayor has been requested to remove the same, companies owning or operating such lines are not authorized to make any repairs or connections, or to go upon the poles bearing such lines *for any purpose whatever*, except to remove the said lines of electrical conductors in conformity with the directions of the board. Any deviation from this rule requires a resolution passed at the regular meeting of the board, attested by the secretary.

36. Every company or person erecting poles, wire or fixtures must make and leave, at least once each week, at the office of the board, such records of the fixtures, etc., which they are erecting, and of all of the same that they have in use, as are required by the engineer and the electrical expert of the board, and in such form as shall be prescribed by them.

37. The companies or persons owning or controlling poles in any street or avenue, erected under permits of this board or the Board of Electrical Subways, shall allow the same to be used by other companies or persons operating conductors for similar electrical service when authorized so to do by the board, on tender of proper compensation, to be determined by agreement between the parties interested. In default of such an agreement, the amount of such compensation shall be determined by the board. This rule imparts a contract on the part of each company or person owning or controlling the poles on any street or avenue, not only with the board, but also with each company or person who shall under its terms be qualified to demand the privileges it confers, to permit this joint use of poles. And in accepting any permit the applicant thereby binds himself to this agreement.

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TELEPHONES.

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LIST OF

TELEPHONE EXCHANGES

AND LICENSEES.

Branch exchanges are in smaller type. * *Offices not now open but liable to be at any time.*

Bell Telephone Company of Buffalo,

BUFFALO, N. Y.

Albion ..... N. Y.
Brockport, N. Y.
*Knowlesville, N. Y.
Medina, N. Y.
Angola ..... N. Y.
Batavia ..... N. Y.
Attica, N. Y.
Le Roy, N. Y.
Buffalo ..... N. Y.
Tonawanda, N. Y.
Dansville ..... N. Y.
Geneseo ..... N. Y.
Avon, N. Y.
Mount Morris, N. Y.
Lockport ..... N. Y.
Akron, N. Y.
Niagara Falls ..... N. Y.
Rochester ..... N. Y.
Fairport, N. Y.
*Honeoye Falls, N. Y.
Springville ..... N. Y.
Warsaw ..... N. Y.
*Perry, N. Y.

Bell Telephone Company of Missouri,

ST. LOUIS, MO.

Belleville ..... Ill.
East St. Louis, Ill.
Freeburgh, Ill.
Lebanon, Ill.
Mascoutah, Ill.
*Millstadt, Ill.
New Athens, Ill.
*O'Fallon, Ill.
*St. Libory, Ill.
St. Louis ..... Mo.

Bell Telephone Company of Philadelphia,

PHILADELPHIA, PA.

Philadelphia ..... Pa.

Sub-Licensee,

DELAWARE AND ATLANTIC TELEGRAPH AND TELEPHONE COMPANY.

Wilmington ..... Del.
Newark, Del.
New Castle, Del.
St. Georges, Del.
Smyrna ..... Del.
Atlantic City ..... N. J.
Bridgeton ..... N. J.
Millville, N. J.
Vineland, N. J.
Camden ..... N. J.
Gloucester, N. J.
Haddonfield, N. J.
Merchantville, N. J.
Moorestown, N. J.
Riverton, N. J.
Clayton ..... N. J.
Port Norris ..... N. J.
Salem ..... N. J.
Trenton ..... N. J.
Bordentown, N. J.
Burlington, N. J.
Lawrenceville, N. J.
Yardleyville, Pa.
Woodbury ..... N. J.
Glassborough, N. J.
Swedesborough, N. J.
Wenonah, N. J.
Bristol ..... Pa.
Newtown, Pa.
Chester ..... Pa.
Concord, Pa.
Darby, Pa.
Fernwood, Pa.
Lenni, Pa.
Media, Pa.
Ridley Park, Pa.
Lansdale ..... Pa.
Ambler, Pa.
Doylestown, Pa.
Perkasie, Pa.

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Quakertown, Pa.
Sellersville, Pa.
Telford, Pa.
Norristown ..... Pa.
Ardmore, Pa.
Berwyn, Pa.
Collegeville, Pa.
Conshohocken, Pa.
Malvern, Pa.
Ogontz, Pa.
Phœnixville, Pa.
Schwenkville, Pa.
Spring City, Pa.
Wayne, Pa.
Oxford ..... Pa.
Parkesburgh ..... Pa.
Pottstown ..... Pa.
West Chester ..... Pa.
Avondale, Pa.
Coatesville, Pa.
Downingtown, Pa.
Kennett Square, Pa.
Parkersville, Pa.
Unionville, Pa.
West Grove, Pa.
Whitford, Pa.

Black Hills Telegraph and Telephone Company,

DOVER CENTRE, MINN.

Deadwood ..... Dak.
Spearfish, Dak.
Sturgis, Dak.
Rapid City ..... Dak.

Bone, A. P., and Hamilton, W. B.,

GREENSBURGH, IND.

Greensburgh ..... Ind.

Brattelboro' Telephone Exchange,

BRATTLEBORO', VT.

Brattleboro' ..... Vt.
Wilmington ..... Vt.

Brown, A. C.,

MONTPELIER, VT.

Montpelier ..... Vt.
Morrisville ..... Vt.

Central District and Printing Telegraph Company,

PITTSBURGH, PA.

Cambridge ..... Ohio.
East Liverpool ..... Ohio.
Wellsville, Ohio.
New Philadelphia ..... Ohio.
Canal Dover, Ohio.
Uhrichsville, Ohio.
Salem ..... Ohio.
Leetonia, Ohio.
Steubenville ..... Ohio.
Toronto, Ohio.
New Cumberland, W. Va.
Warren ..... Ohio.
Niles, Ohio.
Beaver Falls ..... Pa.
New Brighton, Pa.
Rochester, Pa.
Butler ..... Pa.
Connellsville ..... Pa.
Scottsdale, Pa.
Uniontown, Pa.
Greensburgh ..... Pa.
Johnstown ..... Pa.
Meadville ..... Pa.
Monongahela City ..... Pa.
Newcastle ..... Pa.
Oil City ..... Pa.
Franklin, Pa.
Pittsburgh ..... Pa.
Allegheny City, Pa.
Braddock, Pa.
Mansfield, Pa.
McKeesport, Pa.
Oakmont, Pa.
Sewickley, Pa.
Sharpsburg, Pa.
Wilkinsburg, Pa.
Sharon ..... Pa.
Greenville, Pa.
Sharpsville, Pa.
Titusville ..... Pa.
Washington ..... Pa.
Cannonsburgh, Pa.
Parkersburgh ..... W. Va.
Marietta, Ohio.
Wheeling ..... W. Va.
Bellaire, Ohio.
Bridgeport, Ohio.
Martin's Ferry, Ohio.
Moundsville, W. Va.
Wellsburgh, W. Va.

Central New York Telephone and Telegraph Company,

UTICA, N. Y.

Cooperstown ..... N. Y.
Richfield Springs, N. Y.
Gouverneur ..... N. Y.
Little Falls ..... N. Y.
Norwich ..... N. Y.
Ogdensburgh ..... N. Y.
Oneida ..... N. Y.
Canastota, N. Y.
Oneonta ..... N. Y.
Potsdam ..... N. Y.
Canton, N. Y.
Syracuse ..... N. Y.

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Utica.....N. Y.
Clinton, N. Y.
Herkimer, N. Y.
Ilion, N. Y.
Rome, N. Y.
Waterville, N. Y.
Watertown.....N. Y.
Carthage, N. Y.

Central Pennsylvania Telephone and Supply Company,

WILLIAMSPORT, PA.

Altoona.....Pa.
Tyrone, Pa.
Hollidaysburgh, Pa.
Bellefonte.....Pa.
Bloomsburg.....Pa.
Danville, Pa.
Clearfield.....Pa.
Curwinsville, Pa.
Driftwood.....Pa.
Du Bois.....Pa.
Hazleton.....Pa.
Huntingdon.....Pa.
Lewistown.....Pa.
Lock Haven.....Pa.
Milton.....Pa.
Phillipsburgh.....Pa.
Osceola, Pa.
Houtzdale, Pa.
Renovo.....Pa.
Ridgway.....Pa.
Scranton.....Pa.
Shamokin.....Pa.
Sunbury, Pa.
Williamsport.....Pa.
Jersey Shore, Pa.
Muncy, Pa.
Wilkesbarre.....Pa.
Pittston, Pa.
*Shickshinny, Pa.

Central Union Telephone Company,

CHICAGO, ILL.

*Albion.....Ill.
Alton.....Ill.
*Edwardsville, Ill.
*Beardstown.....Ill.
Bloomington.....Ill.
Canton.....Ill.
*Lewiston, Ill.
Cairo.....Ill.
*Carrollton.....Ill.
*Carthage.....Ill.
Centralia.....Ill.
Champaign.....Ill.
Clinton.....Ill.
Danville.....Ill.
Decatur.....Ill.
Delavan.....Ill.
Dixon.....Ill.
Polo, Ill.
*Oregon, Ill.
Galena.....Ill.
Galesburgh.....Ill.
Geneseo.....Ill.
*Gibson City.....Ill.
*Greenville.....Ill.
*Havana.....Ill.
Highland.....Ill.
Jacksonville.....Ill.
Kankakee.....Ill.
*Momence, Ill.
La Salle.....Ill.
Ottawa, Ill.
Lincoln.....Ill.
*Litchfield.....Ill.
*Macomb.....Ill.
*Marshall.....Ill.
*Mattoon.....Ill.
*Charleston, Ill.
*Mendota.....Ill.
Monmouth.....Ill.
*Monticello.....Ill.
*Mount Sterling.....Ill.
*Mount Vernon.....Ill.
*Nashville.....Ill.
*Paris.....Ill.
Peoria.....Ill.
Pekin, Ill.
Petersburgh.....Ill.
*Greenview, Ill.
*Pittsfield.....Ill.
*Pontiac.....Ill.
Princeton.....Ill.
Quincy.....Ill.
Rockford.....Ill.
Belvidere, Ill.
*Shelbyville.....Ill.
Springfield.....Ill.
Streator.....Ill.
*Sycamore.....Ill.
*Taylorville.....Ill.
*Tuscola.....Ill.
Virginia.....Ill.
*Watseka.....Ill.
Anderson.....Ind.
*Attica.....Ind.
*Auburn.....Ind.
*Bedford.....Ind.
*Bloomington.....Ind.

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*Bluffton ..... Ind.
*Brazil ..... Ind.
*Columbia City ..... Ind.
Columbus ..... Ind.
Connersville ..... Ind.
Crawfordsville ..... Ind.
*Danville ..... Ind.
*Delphi ..... Ind.
*Elkhart ..... Ind.
*Goshen, Ind.
*Frankfort ..... Ind.
*Franklin ..... Ind.
Fort Wayne ..... Ind.
*Fowler ..... Ind.
*Greencastle ..... Ind.
*Greenfield ..... Ind.
*Hartford City ..... Ind.
*Huntington ..... Ind.
Indianapolis ..... Ind.
Kokomo ..... Ind.
Lafayette ..... Ind.
*La Porte ..... Ind.
*Lebanon ..... Ind.
*Liberty ..... Ind.
Logansport ..... Ind.
Madison ..... Ind.
Marion ..... Ind.
*Martinsville ..... Ind.
Michigan City ..... Ind.
*Monticello ..... Ind.
Muncie ..... Ind.
*New Castle ..... Ind.
*Noblesville ..... Ind.
*Orleans ..... Ind.
*Paoli, Ind.
Peru ..... Ind.
*Plymouth ..... Ind.
*Portland ..... Ind.
Richmond ..... Ind.
*Cambridge City, Ind.
*Rockville ..... Ind.
*Rushville ..... Ind.
*Salem ..... Ind.
*Spencer ..... Ind.
South Bend ..... Ind.
Terre Haute ..... Ind.
*Tipton ..... Ind.
*Union City ..... Ind.
*Winchester, Ind.
*Wabash ..... Ind.
*North Manchester, Ind.
*Warsaw ..... Ind.
*Williamsport ..... Ind.

Cedar Rapids ..... Iowa.
*Marion, Iowa.
Davenport ..... Iowa.
Rock Island, Ill.
Milan, Ill.
Moline, Ill.
Des Moines ..... Iowa.
Dubuque ..... Iowa.
Keokuk ..... Iowa.
Ottumwa ..... Iowa.
Akron ..... Ohio.
Cuyahoga Falls, Ohio.
Alliance ..... Ohio.
*Ashland ..... Ohio.
Ashtabula ..... Ohio.
*Bellefontaine ..... Ohio.
Bryan ..... Ohio.
Bucyrus ..... Ohio.
Galion, Ohio.
Canton ..... Ohio.
Massillon, Ohio.
Chillicothe ..... Ohio.
Circleville ..... Ohio.
Columbus ..... Ohio.
*Worthington, Ohio.
Dayton ..... Ohio.
Miamisburgh, Ohio.
Defiance ..... Ohio.
Delaware ..... Ohio.
*Eaton ..... Ohio.
Elyria ..... Ohio.
Wellington, Ohio.
Findlay ..... Ohio.
Fostoria ..... Ohio.
Tiffin, Ohio.
Fremont ..... Ohio.
Gallipolis ..... Ohio.
Greenville ..... Ohio.
Hillsborough ..... Ohio.
Ironton ..... Ohio.
Jackson ..... Ohio.
Wellston, Ohio.
Kenton ..... Ohio.
Lancaster ..... Ohio.
Lima ..... Ohio.
*Logan ..... Ohio.
London ..... Ohio.
Mansfield ..... Ohio.
Shelby, Ohio.
*Marysville ..... Ohio.
*Medina ..... Ohio.
Mount Vernon ..... Ohio.
*Napoleon ..... Ohio.
Newark ..... Ohio

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Norwalk.....Ohio.
Painesville.....Ohio.
Pomeroy.....Ohio.
*Port Clinton.....Ohio.
Portsmouth.....Ohio.
Ravenna.....Ohio.
Kent, Ohio.
Sandusky.....Ohio.
*Sidney.....Ohio.
Springfield.....Ohio.
Toledo.....Ohio.
Troy.....Ohio.
Piqua, Ohio.
*Tippecanoe, Ohio.
*Upper Sandusky.....Ohio.
Urbana.....Ohio.
Van Wert.....Ohio.
*Delphos, Ohio.
*Waverly.....Ohio.
Washington C. H.....Ohio.
Wilmington.....Ohio.
*Wooster.....Ohio.
Youngstown.....Ohio.
Zanesville.....Ohio.

Chesapeake and Potomac Telephone Company,
WASHINGTON, D. C.

Washington.....D. C.
Baltimore.....Md.
Lutherville, Md.
Mt. Washington, Md.
Cumberland.....Md.
Frostburgh, Md.
Lonaconing, Md.
Emmittsburgh.....Md.
Frederick.....Md.
Hagerstown.....Md.
*Williamsport, Md.
Westminster.....Md.
Martinsburgh.....W. Va.

Chicago Telephone Company,
CHICAGO, ILL.

Chicago.....Ill.
Englewood, Ill.
Evanston, Ill.
Pullman, Ill.
Ravenswood, Ill.
Joliet.....Ill.
*Lemont, Ill.
Geneva.....Ill.
Aurora, Ill.
Batavia, Ill.
Elgin, Ill.
St. Charles, Ill.
Morris.....Ill.
*Valparaiso.....Ind.

City and Suburban Telegraph Association,
CINCINNATI, OHIO.

Lawrenceburgh.....Ind.
Cincinnati.....Ohio.
Covington, Ky.
Hamilton.....Ohio.

Cleveland Telephone Company,
LOWELL, MASS.

Cleveland.....Ohio.

Colorado Telephone Company,
DENVER, COL.

Aspen.....Col.
Boulder.....Col.
Longmont, Col.
Canfield, Col.
Canon City.....Col.
Central City.....Col.
Georgetown, Col.
Idaho Springs, Col.
Colorado Springs.....Col.
Manitou, Col.
*Crested Butte.....Col.
Denver.....Col.
Golden, Col.
*Gunnison City.....Col.
Leadville.....Col.
Pueblo.....Col.
*San Juan.....Col.
*Silver Cliff.....Col.
Trinidad.....Col.

Colorado Telephone and Telegraph Company,
DENVER, COL.

Albuquerque.....N. M.
Las Vegas.....N. M.
Silver City.....N. M.

Commercial Telephone Company of Troy,
TROY, N. Y.

Troy.....N. Y.
Cohoes, N. Y.
Lansingburgh, N. Y.
Waterford, N. Y.
West Troy, N. Y.

Cumberland Telephone and Telegraph Company,
NASHVILLE, TENN.

*Carmi.....Ill.
*Boonville.....Ind.
*Lynnville, Ind.
Evansville.....Ind.
Henderson, Ky.
*Mount Vernon.....Ind.
*New Harmony, Ind.
*Uniontown, Ky.

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*Poseyville ..... Ind.
*Princeton ..... Ind.
*Rockport ..... Ind.
*Tell City ..... Ind.
*Caseyville ..... Ky.
*Earlington ..... Ky.
Owensboro ..... Ky.
*Burns ..... Tenn.
*Carthage ..... Tenn.
*Hartsville, Tenn.
Columbia ..... Tenn.
*Franklin ..... Tenn.
*Gainesborough ..... Tenn.
Gallatin ..... Tenn.
Jackson ..... Tenn.
Lebanon ..... Tenn.
*Lewisburgh ..... Tenn.
Memphis ..... Tenn.
Murfreesborough ..... Tenn.
*College Grove, Tenn.
*Eagleville, Tenn.
Nashville ..... Tenn.
Pulaski ..... Tenn.
Shelbyville ..... Tenn.
*Bellbuckle, Tenn.
*Springfield ..... Tenn.
*Trenton ..... Tenn.
Union City ..... Tenn.

Duluth Telephone Company,

DULUTH, MINN.

Duluth ..... Minn.
Superior City, Wis.
West Superior, Wis.

East Tennessee Telephone Company,

NASHVILLE, TENN.

Bowling Green ..... Ky.
Frankfort ..... Ky.
Hopkinsville ..... Ky.
Lexington ..... Ky.
*Maysville ..... Ky.
Paducah ..... Ky.
Paris ..... Ky.
Cynthiana, Ky.
*Winchester ..... Ky.
Chattanooga ..... Tenn.
Clarksville ..... Tenn.
Cleveland ..... Tenn.
Knoxville ..... Tenn.
Maryville, Tenn.
South Pittsburg ..... Tenn.

Empire State Telephone and Telegraph Company.

AUBURN, N. Y.

Auburn ..... N. Y.
Seneca Falls, N. Y.
Waterloo, N. Y.
Canandaigua ..... N. Y.
Cortland ..... N. Y.
Geneva ..... N. Y.
Lyons ..... N. Y.
Clyde, N. Y.
Newark, N. Y.
Palmyra, N. Y.
Oswego ..... N. Y.
Fulton, N. Y.
Penn Yan ..... N. Y.

Freeport Telephone Exchange Company,

FREEPORT, ILL.

Freeport ..... Ill.

Great Southern Telephone and Exchange Company.

NEW ORLEANS, LA.

Bayou Sara ..... La.
*Jackson, La.
Baton Rouge ..... La.
Plaquemine, La.
Donaldsonville ..... La.
*Convent, La.
Franklin ..... La.
*Monroe ..... La.
New Orleans ..... La.
*Poydras, La.
*St. Charles, La.
Shreveport ..... La.
*Aberdeen ..... Miss.
Columbus ..... Miss.
Greenville ..... Miss.
Jackson ..... Miss.
Meridian ..... Miss.
Natchez ..... Miss.
Vicksburg ..... Miss.

Hudson River Telephone Company,

ALBANY, N. Y.

Albany ..... N. Y.
Ellenville ..... N. Y.
Hudson ..... N. Y.
Catskill, N. Y.
Chatham, N. Y.
Valatia, N. Y.
Johnstown ..... N. Y.
Amsterdam, N. Y.
Canajoharie, N. Y.
Fort Plain, N. Y.
Gloversville, N. Y.

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Kingston ..... N. Y.
Middletown ..... N. Y.
Goshen, N. Y.
Newburgh ..... N. Y.
Cold Spring, N. Y.
Fishkill, N. Y.
Garrison, N. Y.
Poughkeepsie, N. Y.
Peekskill ..... N. Y.
Haverstraw, N. Y.
Port Jervis ..... N. Y.
Schenectady ..... N. Y.
*Schoharie ..... N. Y.
Honesdale ..... Pa.
Hawley, Pa.

Sub-Licensee,

NEW YORK AND VERMONT TELEGRAPH AND TELEPHONE COMPANY.

Schaghticoke ..... N. Y.
Hoosick Falls, N. Y.

Sub-Licensee,

UNION TELEGRAPH AND TELEPHONE COMPANY.

Glen Falls ..... N. Y.
Saratoga Springs ..... N. Y.
Ballston, N. Y.
Greenwich, N. Y.
Mechanicsville, N. Y.
Schuylerville, N. Y.
Stillwater, N. Y.
Whitehall ..... N. Y.

Iowa Union Telephone Company,

DAVENPORT, IOWA.

Morrison ..... Ill.
Sterling, Ill.
Mount Carroll ..... Ill.
Lanark, Ill.
*Albia ..... Iowa.
*Allison ..... Iowa.
Ames ..... Iowa.
*Nevada, Iowa.
Anamosa ..... Iowa.
Monticello, Iowa.
Atlantic ..... Iowa.
*Bedford ..... Iowa.
Burlington ..... Iowa.
*Bloomfield ..... Iowa.
Boone ..... Iowa.
Carroll ..... Iowa.
Centerville ..... Iowa.
Chariton ..... Iowa.
Charles City ..... Iowa.
Cherokee ..... Iowa.
Clarinda ..... Iowa.
Clinton ..... Iowa.
*Lyons, Iowa.
Corning ..... Iowa.
Creston ..... Iowa.
*Afton, Iowa.
Decorah ..... Iowa.
Denison ..... Iowa.
De Witt ..... Iowa.
Eldora ..... Iowa.
Ackley, Iowa.
Fairfield ..... Iowa.
Fort Dodge ..... Iowa.
*Dakotah, Iowa.
Fort Madison ..... Iowa.
Garner ..... Iowa.
Glenwood ..... Iowa.
Greenfield ..... Iowa.
Fontanelle, Iowa.
Grinnell ..... Iowa.
*Brooklyn, Iowa.
*Malcolm, Iowa.
Montezuma, Iowa.
Guthrie Center ..... Iowa.
*Hampton ..... Iowa.
Harlan ..... Iowa.
Ida Grove ..... Iowa.
Independence ..... Iowa.
Indianola ..... Iowa.
Iowa City ..... Iowa.
Jefferson ..... Iowa.
Knoxville ..... Iowa.
Le Mars ..... Iowa.
*Logan ..... Iowa.
Manchester ..... Iowa.
Marengo ..... Iowa.
Marshalltown ..... Iowa.
Mason City ..... Iowa.
McGregor ..... Iowa.
Prairie du Chien, Wis.
Maquoketa ..... Iowa.
Mount Pleasant ..... Iowa.
Muscatine ..... Iowa.
Wilton, Iowa.
New Hampton ..... Iowa.
Nashua, Iowa.
*Newton ..... Iowa.
Colfax, Iowa.
Odebolt ..... Iowa.
*Onawa ..... Iowa.
*Orange City ..... Iowa.
*Alton, Iowa.
*Osceola ..... Iowa.
Oskaloosa ..... Iowa.

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Perry.....Iowa.
*Angus, Iowa.
Pocahontas.....Iowa.
Red Oak.....Iowa.
Rockwell City.....Iowa.
Shenandoah.....Iowa.
Sioux City.....Iowa.
Storm Lake.....Iowa.
*Tama City.....Iowa.
*Toledo, Iowa.
Tipton.....Iowa.
Vinton.....Iowa.
*Wapello.....Iowa.
Waterloo.....Iowa.
Cedar Falls, Iowa.
Waverly.....Iowa.
Tripoli, Iowa.
West Union.....Iowa.
Fayette, Iowa.
What Cheer.....Iowa.
Winterset.....Iowa.

Jamestown Telegraph and Telephone Company of Jamestown, Stutsman Co., Dakota,

JAMESTOWN, DAK.

Jamestown.....Dak.

Johnson, L.,

VINCENNES, IND.

Olney.....Ill.
Shelbyville.....Ind.
Vincennes.....Ind.

McClure, J. H.,

SEYMOUR, IND.

Seymour.....Ind.

Metropolitan Telephone and Telegraph Co.,

NEW YORK, N. Y.

New York.....N. Y.
Greenwich.....Conn.

Sub-Licensee,

DOMESTIC TELEGRAPH AND TELEPHONE CO.

Newark.....N. J.

Sub-Licensee,

NEW YORK AND NEW JERSEY TELEPHONE CO.

Dover.....N. J.
Elizabeth.....N. J.
Englewood.....N. J.
*Tenafly, N. J.
*Fairview.....N. J.
Jersey City.....N. J.
Bayonne, N. J.
Hoboken, N. J.
Long Branch.....N. J.
Asbury Park, N. J.
Freehold, N. J.
*Red Bank, N. J.
Seabright, N. J.
Morristown.....N. J.
Madison, N. J.
New Brunswick.....N. J.
Orange.....N. J.
Bloomfield, N. J.
Montclair, N. J.
Paterson.....N. J.
Hackensack, N. J.
Passaic, N. J.
Perth Amboy.....N. J.
South Amboy, N. J.
Plainfield.....N. J.
Rahway.....N. J.
*Rutherford.....N. J.
*Short Hills.....N. J.
*Millburn, N. J.
*Summit.....N. J.
*Woodbridge.....N. J.
Astoria.....N. Y.
Babylon.....N. Y.
Brooklyn.....N. Y.
Flatbush, N. Y.
East New York, N. Y.
Greenpoint, N. Y.
*Far Rockaway.....N. Y.
Flushing.....N. Y.
Glen Cove.....N. Y.
Hempstead.....N. Y.
Islip.....N. Y.

Sub-Licensee,

WESTCHESTER TELEPHONE COMPANY.

Nyack.....N. Y.
Sing Sing.....N. Y.
Tarrytown, N. Y.
Dobbs Ferry, N. Y.
White Plains.....N. Y.
*Hartsdale, N. Y.
Port Chester, N. Y.
New Rochelle, N. Y.
Westchester, N. Y.
Yonkers.....N. Y.
Mount Vernon, N. Y.

Sub-Licensee,

STATEN ISLAND TELEPHONE COMPANY.

New Brighton.....N. Y.
*Port Richmond.....N. Y.

Miami Telephone Company,

XENIA, OHIO.

Middletown.....Ohio.
Franklin, Ohio.
Lebanon, Ohio.
Xenia.....Ohio.

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Missouri and Kansas Telephone Company,

KANSAS CITY, MO.

Abilene ..... Kan.
*Enterprise, Kan.
Atchison ..... Kan.
Burlington ..... Kan.
*Caldwell ..... Kan.
Clay Centre ..... Kan.
Emporia ..... Kan.
Fort Scott ..... Kan.
Hutchinson ..... Kan.
Junction City ..... Kan.
Lawrence ..... Kan.
Leavenworth ..... Kan.
Fort Leavenworth, Kan.
*Newton ..... Kan.
Olathe ..... Kan.
*Osage City ..... Kan.
Ottawa ..... Kan.
*Parsons ..... Kan.
Salina ..... Kan.
Topeka ..... Kan.
Wellington ..... Kan.
Wichita ..... Kan.
Winfield ..... Kan.
Arkansas City, Kan.
Boonville ..... Mo.
*Butler ..... Mo.
*Rich Hill, Mo.
*Canton ..... Mo.
Carrollton ..... Mo.
*Columbia ..... Mo.
Fulton ..... Mo.
Hannibal ..... Mo.
Jefferson City ..... Mo.
Joplin ..... Mo.
Carthage, Mo.
*Webb City, Mo.
*Galena, Kan.
Kansas City ..... Mo.
Independence, Mo.
Louisiana ..... Mo.
Marshall ..... Mo.
Maryville ..... Mo.
*Mexico ..... Mo.
*Moberly ..... Mo.
Nevada ..... Mo.
Sedalia ..... Mo.
Springfield ..... Mo.
St. Joseph ..... Mo.
*Trenton ..... Mo.
Warrensburg ..... Mo.

Nebraska Telephone Company,

OMAHA, NEB.

*Avoca ..... Iowa.
*Minden, Iowa.
*Walnut, Iowa.
Ashland ..... Neb.
Beatrice ..... Neb.
Blue Springs, Neb.
Wymore, Neb.
Blair ..... Neb.
Arlington, Neb.
Crete ..... Neb.
Wilber, Neb.
Columbus ..... Neb.
Fairbury ..... Neb.
*Fairmont ..... Neb.
*Geneva, Neb.
Sutton, Neb.
Fremont ..... Neb.
North Bend, Neb.
Grand Island ..... Neb.
Hastings ..... Neb.
Kearney ..... Neb.
Lincoln ..... Neb.
Nebraska City ..... Neb.
Norfolk ..... Neb.
Madison, Neb.
Omaha ..... Neb.
Council Bluffs, Iowa.
Papillion, Neb.
South Omaha, Neb.
Plattsmouth ..... Neb.
Seward ..... Neb.
Schuyler ..... Neb.
*Syracuse ..... Neb.
Wahoo ..... Neb.
York ..... Neb.

New England Telephone and Telegraph Co.,

BOSTON, MASS.

Augusta ..... Me.
*Gardiner, Me.
Bangor ..... Me.
Bath ..... Me.
*Boothbay, Me.
Brunswick, Me.
*Richmond, Me.
Belfast ..... Me.
Calais ..... Me.
Ellsworth ..... Me.
Mt. Desert, Me.
Lewiston ..... Me.
Portland ..... Me.
Biddeford, Me.
Rockland ..... Me.
Waterville ..... Me.
Skowhegan, Me.

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Boston ..... Mass.
Brookline, Mass.
Cambridge, Mass.
Canton, Mass.
Charlestown, Mass.
Chelsea, Mass.
*Dedham, Mass.
Dorchester, Mass.
East Boston, Mass.
*East Weymouth, Mass.
Hyde Park, Mass.
Jamaica Plain, Mass.
Lynn, Mass.
Malden, Mass.
Medford, Mass.
Milton, Mass.
Newton, Mass.
Newtonville, Mass.
Quincy, Mass.
Somerville, Mass.
Waltham, Mass.
Woburn, Mass.

Fitchburg ..... Mass.
Ayer, Mass.
*Baldwinsville, Mass.
*East Pepperell, Mass.
Gardner, Mass.
Leominster, Mass.
Winchendon, Mass.

Great Barrington ..... Mass.

Greenfield ..... Mass.
Shelburne Falls, Mass.

Haverhill ..... Mass.
Amesbury, Mass.
*Merrimac, Mass.
Newburyport, Mass.

Lowell ..... Mass.
Lawrence, Mass.

North Adams ..... Mass.
Adams, Mass.
Bennington, Vt.

Northampton ..... Mass.

Orange ..... Mass.
Athol, Mass.

Palmer ..... Mass.

Pittsfield ..... Mass.
Lee, Mass.

Salem ..... Mass.
Gloucester, Mass.
Peabody, Mass.

South Framingham ..... Mass.
Concord, Mass.
Holliston, Mass.
*Hopkinton, Mass.
Marlborough, Mass.
*Maynard, Mass.
Milford, Mass.
Natick, Mass.
Walpole, Mass.

Spencer ..... Mass.
*North Brookfield, Mass.
Southbridge, Mass.
Webster, Mass.
*Warren, Mass.

Springfield ..... Mass.
Holyoke, Mass.
Westfield, Mass.

Worcester ..... Mass.
Clinton, Mass.
Westborough, Mass.

Concord ..... N. H.

Dover ..... N. H.
*Great Falls, N. H.
Portsmouth, N. H.
York, Me.

Exeter ..... N. H.

Franklin Falls ..... N. H.

Keene ..... N. H.

Littleton ..... N. H.

Manchester ..... N. H.
Nashua, N. H.

Newport ..... N. H.
Claremont, N. H.

Bellows Falls ..... Vt.
*Springfield, Vt.

Bradford ..... Vt.

Burlington ..... Vt.

Newport ..... Vt.

Rutland ..... Vt.

Saint Albans ..... Vt.

St. Johnsbury ..... Vt.
Lyndonville, Vt.

Windsor ..... Vt.
Lebanon, N. H.
*Woodstock, Vt.

New York and Pennsylvania Telephone and Telegraph Company,
NEW YORK, N. Y.

Bath ..... N. Y.

Binghamton ..... N. Y.

Corning ..... N. Y.
*Addison, N. Y.

*Cuba ..... N. Y.

Dunkirk ..... N. Y.
*Fredonia, N. Y.

Elmira ..... N. Y.

Hornellsville ..... N. Y.
*Canisteo, N. Y.

Ithaca ..... N. Y.

Jamestown ..... N. Y.
*Randolph, N. Y.

Oswego ..... N. Y.
*Spencer, N. Y.

Salamanca ..... N. Y.

Watkins ..... N. Y.

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Waverly.....N. Y.
Wellsville.....N. Y.
*Allentown, N. Y.
Bolivar, N. Y.
*Friendship, N. Y.
Westfield.....N. Y.
Bradford.....Pa.
Olean, N. Y.
Corry.....Pa.
Erie.....Pa.
*North East, Pa.
Montrose.....Pa.
Towanda.....Pa.
*Le Raysville, Pa.
Troy.....Pa.
Canton, Pa.
Warren.....Pa.
*Garfield, Pa.
Westfield.....Pa.

Northern New York Telephone Company,

LOWELL, MASS.

Keene.....N. Y.
Malone.....N. Y.
Chateaugay, N. Y.
Plattsburgh.....N. Y.
Dannemora, N. Y.
Keesville, N. Y.
Port Henry.....N. Y.
Crown Point, N. Y.
Ticonderoga, N. Y.
Rouse's Point.....N. Y.
Champlain, N. Y.
*Saranac Lake.....N. Y.

Northwestern Telephone Exchange Company,

LOWELL, MASS.

*Bismarck.....Dak.
*Mandan, Dak.
Fargo.....Dak.
*Grand Forks.....Dak.
*Huron.....Dak.
*Mitchell.....Dak.
*Pierre.....Dak.
Sioux Falls.....Dak.
Yankton.....Dak.
*Albert Lea.....Minn.
*Brainerd.....Minn.
Faribault.....Minn.
Northfield, Minn.
Fergus Falls.....Minn.
Mankato.....Minn.
Minneapolis.....Minn.
*Fort Snelling, Minn.
St. Paul, Minn.
*Owatonna.....Minn.
*Red Wing.....Minn.
St. Cloud.....Minn.
Stillwater.....Minn.
*Wabasha.....Minn.
Winona.....Minn.

Ohio Valley Telephone Company,

LOUISVILLE, KY.

Louisville.....Ky.
Jeffersonville, Ind.
New Albany, Ind.

Pacific Telephone and Telegraph Company,

SAN FRANCISCO, CAL.

San Francisco.....Cal.

Sub-Licensee,

SUNSET TELEPHONE AND TELEGRAPH CO.

Bakersfield.....Cal.
Benicia.....Cal.
Colton.....Cal.
Riverside, Cal.
Eureka.....Cal.
Fresno.....Cal.
Guerneville.....Cal.
Livermore.....Cal.
Los Angeles.....Cal.
Pasadena, Cal.
San Gabriel, Cal.
Menlo Park.....Cal.
Napa City.....Cal.
Oakland.....Cal.
Alameda, Cal.
Berkeley, Cal.
Petaluma.....Cal.
Pomona.....Cal.
Port Costa.....Cal.
Sacramento.....Cal.
San Bernardino.....Cal.
San Buena Ventura.....Cal.
San Diego.....Cal.
National City, Cal.
San Josè.....Cal.
San Luis Obispo.....Cal.
San Mateo.....Cal.
San Rafael.....Cal.
Santa Barbara.....Cal.
Santa Cruz.....Cal.
Santa Rosa.....Cal.
Stockton.....Cal.
Tulare.....Cal.
Vallejo.....Cal.
Visalia.....Cal.
Woodland.....Cal.
Virginia City.....Nev.

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Astoria.....Oregon.
Salem .....Oregon.
Colfax.....Wash.
Ellensburg.....Wash.
North Yakima.....Wash.
Olympia.....Wash.
Port Townsend.....Wash.
Seattle.....Wash.
Spokane Falls.....Wash.
Tacoma.....Wash.
Walla Walla.....Wash.

Sub-Licensee,

PORTLAND TELEPHONE, TELEGRAPH AND ELECTRIC LIGHT COMPANY.

Portland.....Oregon.
East Portland, Oregon.

Pennsylvania Telephone Company,

HARRISBURGH, PA.

Flemington.....N. J.
Lambertville, N. J.
Hackettstown.....N. J.
Clinton, N. J.
Allentown.....Pa.
Bethlehem, Pa.
Slatington, Pa.
Carlisle.....Pa.
Chambersburg.....Pa.
Waynesborough, Pa.
Easton.....Pa.
Belvidere, N. J.
Washington, N. J.
Bangor, Pa.
*Hanover.....Pa.
Harrisburgh .....Pa.
Mechanicsburgh, Pa.
Middletown, Pa.
Lancaster.....Pa.
Columbia, Pa.
Lititz, Pa.
*Manheim, Pa.
*Mount Joy, Pa.
Lebanon.....Pa.
*Annville, Pa.
Mauch Chunk.....Pa.
Pottsville.....Pa.
Ashland, Pa.
Mahanoy City, Pa.
*Shenandoah, Pa.
*Tamaqua, Pa.
Reading.....Pa.
Boyerstown, Pa.
*Fleetwood, Pa.
Hamburg, Pa.
York.....Pa.

Plymouth and Campton Telephone Exchange Company,

PLYMOUTH, N. H.

Plymouth.....N. H.

Providence Telephone Company,

PROVIDENCE, R. I.

Narragansett Pier.....R. I.
Newport.....R. I.
Pascoag.....R. I.
Providence.....R. I.
Attleborough, Mass.
Bristol, R. I.
*East Greenwich, R. I.
North Attleborough, Mass.
Olneyville, R. I.
Pawtucket, R. I.
Warren, R. I.
Woonsocket, R. I
Westerly.....R. I.
*Hope Valley, R. I.

Reiser, Henry G.,

MARION, O.

Marion.....Ohio.

Rocky Mountain Bell Telephone Co.

SALT LAKE CITY, UTAH.

Boise City.....Idaho.
*Caldwell.....Idaho.
Hailey.....Idaho.
*Bellevue, Idaho.
Ketchum, Idaho.
*Idaho City.....Idaho.
Wardner (S. L.).....Idaho.
Anaconda.....Mont.
*Billings.....Mont.
*Bozeman.....Mont.
Butte City.....Mont.
Deer Lodge.....Mont.
Dillon.....Mont.
Helena.....Mont.
*Wickes, Mont.
*Miles City.....Mont.
*Missoula.....Mont.
Phillipsburgh.....Mont.
Logan.....Utah.
Ogden City.....Utah.
Provo City.....Utah.
Park City.....Utah.
Salt Lake City.....Utah.
Cheyenne.....Wyo. Ter.
*Chugwater.....Wyo. Ter.
Laramie City.....Wyo. Ter.

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Southern Bell Telephone and Telegraph Co.,

NEW YORK, N. Y.

Anniston.....Ala.
Birmingham.....Ala.
Decatur.....Ala.
Florence.....Ala.
Sheffield, Ala.
Gadsden.....Ala.
Huntsville.....Ala.
Mobile.....Ala.
Montgomery.....Ala.
Selma.....Ala.
Tuscaloosa.....Ala.
*Cedar Keys.....Fla.
*Fernandina.....Fla.
*Gainesville.....Fla.
Jacksonville.....Fla.
Key West.....Fla.
*Orlando.....Fla.
Pensacola.....Fla.
St. Augustine.....Fla.
*Albany.....Ga.
Americus.....Ga.
Augusta.....Ga.
Athens.....Ga.
Atlanta.....Ga.
Decatur, Ga.
Brunswick.....Ga.
Columbus.....Ga.
Griffin.....Ga.
Macon.....Ga.
Marietta.....Ga.
Rome.....Ga.
Savannah.....Ga.
*Thomasville.....Ga.
Asheville.....N. C.
Charlotte.....N. C.
Durham.....N. C.
*New Berne.....N. C.
Raleigh.....N. C.
Wilmington.....N. C.
Beaufort.....S. C.
Charleston.....S. C.
Columbia.....S. C.
*Georgetown.....S. C.
Greenville.....S. C.
*Newberry.....S. C.
*Orangeburgh.....S. C.
Alexandria.....Va.
Danville.....Va.
Lynchburg.....Va.
Norfolk.....Va.
Portsmouth, Va.
Petersburg.....Va.
Richmond.....Va.
Roanoke.....Va.
*Staunton.....Va.
Charleston.....W. Va.
*Huntington.....W. Va.
*Mason.....W. Va.

Southern Massachusetts Telephone Co.,

NEW BEDFORD, MASS.

Brockton.....Mass.
Bridgewater, Mass.
Buzzard's Bay.....Mass.
Cottage City.....Mass.
Hyannis.....Mass.
Nantucket.....Mass.
New Bedford.....Mass.
Fall River, Mass.
North Eastham.....Mass.
Plymouth.....Mass.
Taunton.....Mass.

Southern New England Telephone Co.,

NEW HAVEN, CONN.

Bridgeport.....Conn.
Danbury.....Conn.
New Milford, Conn.
Newtown, Conn.
Essex.....Conn.
Hartford.....Conn.
Bristol, Conn.
*Collinsville, Conn.
Manchester, Conn.
New Britain, Conn.
Rockville, Conn.
Southington, Conn.
Windsor Locks, Conn.
Killingly.....Conn.
Putnam, Conn.
Middletown.....Conn.
Meriden, Conn.
Moodus, Conn.
New Haven.....Conn.
Branford, Conn.
*Cheshire, Conn.
Derby, Conn.
*Guilford, Conn.
Milford, Conn.
New London.....Conn.
Mystic, Conn.
Norwich.....Conn.
Williamantic, Conn.
Stafford Springs.....Conn.
Stamford.....Conn.
Norwalk, Conn.

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Waterbury.....Conn.
Thomaston, Conn.
Woodbury, Conn.
Winsted.....Conn.
Falls Village, Conn.
Litchfield, Conn.
Torrington. Conn.

Southwestern Telegraph and Telephone Co.,
LOWELL, MASS.

Batesville (S. L.).....Ark.
Fort Smith.....Ark.
*Van Buren, Ark.
Helena.....Ark.
Hot Springs.....Ark.
Little Rock.....Ark.
Pine Bluff.....Ark.
Texarkana.....Ark.
Alvarado.....Texas.
*Cleburne, Texas.
Austin.....Texas.
Belton.....Texas.
Temple, Texas.
Brenham.....Texas.
*Brownsville.....Texas.
*Colorado.....Texas.
Corpus Christi (S. L.).....Texas.
Corsicana.....Texas.
Dallas.....Texas.
*Decatur.....Texas.
Eagle Pass (S. L.).....Texas.
El Paso.....Texas.
Fort Worth.....Texas.
Gainesville.....Texas.
Galveston.....Texas.
*Georgetown.....Texas.
*Greenville.....Texas.
Hempstead (S. L.).....Texas.
Houston.....Texas.
Jefferson.....Texas.
Marshall, Texas,
Lampasas.....Texas.
Laredo.....Texas.
*Long View.....Texas.
McKinney.....Texas.
Orange (S. L.).....Texas.
*Palestine.....Texas.
Paris.....Texas.
San Antonio.....Texas.
Sherman.....Texas.
Denison City, Texas.
Terrell.....Texas.
Tyler.....Texas.
Victoria (S. L.).....Texas.
Waco.....Texas.
Waxahachie.....Texas.
*Weatherford.....Texas.

Telephone and Telegraph Construction Co.,
DETROIT, MICH.

Adrian.....Mich.
Tecumseh, Mich.
Allegan.....Mich.
Alpena.....Mich.
Ann Arbor.....Mich.
Ypsilanti, Mich.
Bessemer.....Mich.
Ironwood, Mich.
Big Rapids.....Mich.
Cadillac.....Mich.
Calumet.....Mich.
Houghton, Mich.
Hancock, Mich.
Caro.....Mich.
Charlevoix.....Mich.
Harbor Springs, Mich.
Petoskey, Mich.
Charlotte.....Mich.
Cheboygan.....Mich.
Coldwater.....Mich.
Quincy, Mich.
Union City, Mich.
Detroit.....Mich.
East Saginaw.....Mich.
Bay City, Mich.
Saginaw, Mich.
West Bay City, Mich.
Flint.....Mich.
Fentonville, Mich.
Holly, Mich.
Grand Rapids.....Mich.
*Hastings.....Mich.
Hart.....Mich.
Hillsdale.....Mich.
Hudson, Mich.
Holland.....Mich.
Howell.....Mich.
Ionia.....Mich.
Lowell, Mich.
Iron Mountain.....Mich.
Ishpeming.....Mich.
Marquette, Mich.
Negaunee, Mich.
Republic, Mich.
Jackson.....Mich.
Kalamazoo.....Mich.
Lansing.....Mich.
Lapeer.....Mich.
Ludington.....Mich.

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Muskegon.....Mich.
Grand Haven, Mich.
Montague, Mich.
Mt. Clemens.....Mich.
Richmond, Mich.
Romeo, Mich.
Marshall.....Mich.
Albion, Mich.
Battle Creek, Mich.
Manchester.....Mich.
Manistee.....Mich.
Menominee.....Mich.
Midland.....Mich.
Monroe.....Mich.
Newaygo.....Mich.
*Hesperia, Mich.
Niles.....Mich.
Berrien Springs, Mich.
*Buchanan, Mich.
Oscoda.....Mich.
Owosso.....Mich.
Paw Paw.....Mich.
Pontiac.....Mich.
*Clarkston, Mich.
Milford, Mich.
Port Huron.....Mich.
St. Clair, Mich.
Saint Ignace.....Mich.
Sandusky.....Mich.
Sault de Ste. Marie.....Mich.
Stanton.....Mich.
Greenville, Mich.
St. Johns.....Mich.
St. Joseph.....Mich.
Benton Harbor, Mich.
St. Louis.....Mich.
Three Rivers.....Mich.
Centreville, Mich.
Traverse City.....Mich.
Elk Rapids, Mich.

Winnipesaukee Bell Telephone Company,

LACONIA, N. H.

Laconia.....N. H.

Wisconsin Telephone Company,

MILWAUKEE, WIS.

*Antigo.....Wis.
Berlin.....Wis.
Dartford, Wis.
*Omro, Wis.
Ripon, Wis.
Black River Falls.....Wis.
*Hatfield, Wis.
*Melrose, Wis.
Bloomer.....Wis.
*Centralia.....Wis.
Columbus.....Wis.
Eau Claire.....Wis.
Chippewa Falls, Wis.
Elkhorn.....Wis.
Burlington, Wis.
Delavan, Wis.
*East Troy, Wis.
Geneva, Wis.
*Palymra, Wis.
*Springfield, Wis.
Whitewater, Wis.
Fond du Lac.....Wis.
*West Rosendale, Wis.
*El Dorado, Wis.
Fort Atkinson.....Wis.
Green Bay.....Wis.
Depere, Wis.
Hurley.....Wis.
Janesville.....Wis.
Beloit, Wis.
*Edgerton, Wis.
Kewaunee.....Wis.
Ahnapee, Wis.
La Crosse.....Wis.
*Onalaska, Wis.
*West Salem, Wis.
Madison.....Wis.
Stoughton, Wis.
Manitowoc.....Wis.
*Two Rivers, Wis.
Marinette.....Wis.
Peshtigo, Wis.
*Medford.....Wis.
Menomonee.....Wis.
Milwaukee.....Wis.
Mineral Point.....Wis.
*Darlington, Wis.
*Dodgeville, Wis.
Monroe.....Wis.
Necedah.....Wis.
Neenah.....Wis.
Appleton, Wis.
Kaukauna, Wis.
Oshkosh, Wis.
*Winneconne, Wis.
*Neillsville.....Wis.
New London.....Wis.
Oconto.....Wis.
*Pensaukee, Wis.
Stiles, Wis.
*Platteville.....Wis.
Portage City.....Wis.
*Baraboo, Wis.
Racine.....Wis.
Kenosha, Wis.
Rhinelander.....Wis.

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Sheboygan.....Wis.
*Cedar Grove, Wis.
Sheboygan Falls, Wis.

Shawano.....Wis.
Clintonville, Wis.

Sparta.....Wis.

Stevens Point.....Wis.
Grand Rapids, Wis.

Sturgeon Bay.....Wis.

Washburn.....Wis.
Ashland, Wis.
Bayfield, Wis.

Watertown.....Wis.
Jefferson, Wis.
Juneau, Wis.
*Johnson's Creek, Wis.
*Waterloo, Wis.

Waukesha.....Wis.
*Delafield, Wis.
Hartland, Wis.
*Mukwonago, Wis.
*Nashotah, Wis.
Oconomowoc, Wis.
Pewaukee, Wis.

Waupaca.....Wis.

Waupun.....Wis.
Beaver Dam, Wis.
Mayville, Wis.

Wausau.....Wis.
Merrill, Wis.

West Bend.....Wis.
Cedarburg, Wis.
Hartford, Wis.
*Kewaskum, Wis.
Port Washington, Wis.
Schleisingerville, Wis.

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LICENSEES

For the Supply of Telephones for Private Lines and Other Purposes.

☞ *For Officers and Other Particulars of these Organizations, see Alphabetical List of Electrical Industries.*

Bell Telephone Company of Buffalo, The	Buffalo	N. Y.
Bell Telephone Company of Missouri, The	St. Louis	Mo.
Bell Telephone Company of Philadelphia	Philadelphia	Pa.
Black Hills Telegraph and Telephone Co., The	Dover Centre	Minn.
Brown, A. C	Montpelier	Vt.
Central District and Printing Telegraph Co., The	Pittsburgh	Pa.
Central New York Telephone and Telegraph Company	Utica	N. Y.
Central Pennsylvania Telephone and Supply Company	Williamsport	Pa.
Central Union Telephone Company	Chicago	Ill.
Chesapeake and Potomac Telephone Co., The	Washington	D. C.
Chicago Telephone Company	Chicago	Ill.
City and Suburban Telegraph Association, The	Cincinnati	Ohio.
Cleveland Telephone Company, The	Lowell	Mass.
Colorado Telephone Co., The	Denver	Col.
Colorado Telephone and Telegraph Co., The	Denver	Col.
Commercial Telephone Company of Troy	Troy	N. Y.
Cumberland Telephone and Telegraph Company	Nashville	Tenn.
Duluth Telephone Company	Duluth	Minn.
East Tennessee Telephone Company	Nashville	Tenn.
Empire State Telephone and Telegraph Co., The	Auburn	N. Y.
Freeport Telephone Exchange Company	Freeport	Ill.
Gold and Stock Telegraph Company, The	New York	N. Y.
Great Southern Telephone and Telegraph Company	New Orleans	La.
Hickok, J. S	Vergennes	Vt.
Hudson River Telephone Company	Albany	N. Y.
Iowa Union Telephone Company, The	Davenport	Iowa.
Metropolitan Telephone and Telegraph Company, The	New York	N. Y.
Miami Telephone Company, The	Xenia	Ohio.
Missouri and Kansas Telephone Company	Kansas City	Mo.
Nebraska Telephone Company	Omaha	Neb.
New England Telephone and Telegraph Company	Boston	Mass.
New York and Pennsylvania Telephone and Telegraph Company	New York	N. Y.
Northern New York Telephone Co., The	Lowell	Mass.
Northwestern Telephone Exchange Co., The	Lowell	Mass.
Ohio Valley Telephone Co., The	Louisville	Ky.
Pacific Telephone and Telegraph Company	San Francisco	Cal.
Pennsylvania Telephone Company, The	Harrisburgh	Pa.
Providence Telephone Company	Providence	R. I.
Rocky Mountain Bell Telephone Company	Salt Lake City	Utah.
Southern Bell Telephone and Telegraph Company	New York	N. Y.
Southern Massachusetts Telephone Company, The	New Bedford	Mass.
Southern New England Telephone Company, The	New Haven	Conn.
Southwestern Telegraph and Telephone Company, The	Lowell	Mass.
Telephone and Telegraph Construction Company, The	Detroit	Mich.
Wisconsin Telephone Company	Milwaukee	Wis.

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GAS.

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LIST OF

GAS LIGHT COMPANIES.

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* Companies marked with a star operate electric light plants. Particulars and rating may be obtained in the section devoted to central stations.

The letters and figures following each company denote its financial standing and credit. For explanation of these symbols, see confidential rate sheet.

ALABAMA.

BIRMINGHAM. *Birmingham Gas and Electric Light Co. Capital stock, $500,000; all paid in. J. F. B. Jackson, President. J. F. Johnston, Vice-President. B. F. Roden, Secretary and General Manager. T. Byron, Superintendent. Annual meeting held in October. Price of gas, $1.50. Operate Thomson-Houston electric system. (See Central Stations.)

DECATUR. Decatur Light and Power Co. Capital stock, $75,000; all paid in. W. W. Littlejohn, President. H. S. Freeman, Vice-President. W. A. Bibb, Secretary and Treasurer. Jas. M. Scott, Superintendent. Annual meeting held in February. Price of gas, $2.00. R F.

EUFAULA. *Eufaula Gas, Electric Light and Power Co. Capital stock, $50,000. John W. Tullis, President. A. Beringer, Secretary and Treasurer. Jas. Ferrier, Superintendent. Price of gas, $2.50, less 10 per cent. Operate Thomson-Houston electric system. (See Central Stations.)

HUNTSVILLE. Huntsville Gas Light and Coke Co. Capital stock, $72,000; paid in $72,000. Robert E. Coke, President. I. W. Murdock, Secretary and Superintendent. Price of gas, $2.00 to $1.75. S S H.

MOBILE. Mobile Gas Light and Coke Co. Capital stock, $200,000. S. S. Rubira, President. H. W. Shields, Secretary and Treasurer. John O'Brien, Superintendent. Price of gas, $1.75 to $2.25. Z H.

MONTGOMERY. *Montgomery Light Co. Capital stock, $200,000. M. L. Moses, President. T. G. Foster, Secretary. Ignatius Pollak, Treasurer. Jas. A. Foster, Gas Superintendent. W. H. Gasner, Electrical Superintendent. Price of gas, $2.00. Operate Brush arc and Westinghouse incandescent electric systems. (See Central Stations.)

SELMA. *Selma Gas and Electric Light Co. Capital stock, $31,300; all paid in. John R. Kenan, President and Treasurer. H. Harthan, Superintendent. Annual meeting held in January. Price of gas, $1.75 to $2.50. Operate Thomson-Houston electric system. (See Central Stations.)

TALLADEGA. Talladega Gas Light and Water Co. Capital stock, $60,000. Jos. A. Shakespeare, President. G. P. Auderton, Secretary and Treasurer. George Kramer, Superintendent. Price of gas, $2.00. N G.

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ARIZONA.

PHŒNIX. Phœnix Illuminating Gas and Electric Light Co. Capital stock, $50,000. W. C. Parsons, President. A. P. Wade, Secretary. J. H. White, Treasurer. H. Ohnick, Superintendent. Price of gas, $6.00. F 85.

TOMBSTONE. Tombstone Gas Co. Capital stock, $25,000; all paid in. G. W. Bennett, President. G. H. Carrell, Vice-President. R. M. Wood, Secretary and Superintendent. Annual meeting held in September. Price of gas, $7.00. F 85.

TUCSON. Tucson Gas Co. Capital stock, $30,000; all paid in. W. Overton, President. H. E. Lacy, Secretary. Annual meeting held in December. Price of gas, $7.00. F 85.

ARKANSAS.

EUREKA SPRINGS. Eureka Springs Gas Light Co. Theo. Plate, President and Treasurer. L. P. Andrews, Vice-President. A. Schenk, Secretary. J. A. Monagan, Superintendent. Price of gas, $3.00. Address 52 Gay Building, St. Louis, Mo.

FORT SMITH. *Fort Smith Gas Light Co. Capital stock, $150,000. Morton Thrurer, President. George Jengel, Secretary. George T. Sparks, Treasurer. J. W. Johnson, Superintendent. Price of gas, $2.50. Operate Van Depoele arc and United States incandescent electric systems. (See Central Stations.)

HELENA. Helena Gas Light Co. John J. Horner, President and Superintendent. E. C. Horner, Secretary. S. N. Horner, Treasurer. Price of gas, $3.00. V V H.

HOT SPRINGS. Garland Gas Light Co. Albert B. Gaines, President and Treasurer. J. W. Carrington, Secretary. W. M. Wilson, Superintendent. S G.

Hydro-Carbon Fixed Gas Co. Capital stock, $50,000; paid in $10,000. John J. Sumpter, President and Superintendent. H. M. Rector, Jr., Vice-President. C. N. Rix, Secretary and Treasurer. Price of gas, $2.00. Ju.

PINE BLUFF. *Pine Bluff Water and Light Co. Henry G. Scott, Superintendent. Operate Van Depoele electric system. (See Central Stations.)

TEXARKANA. *Texarkana Gas and Electric Light Co. Capital stock, $200,000. E. N. Maxwell, President and Treasurer. F. E. Walters, Secretary. Boyd Anderson, Electrical Superintendent. Price of gas, $2.65. Operate Van Depoele arc and Westinghouse and United States incandescent electric systems. (See Central Stations.)

CALIFORNIA.

BENICIA. Benicia Gas Co. Capital stock, $50,000; paid in, $31,500. D. N. Hastings, President and Superintendent. F. P. Weinman, Secretary. G. A. Hastings, Treasurer. Annual meeting held in April. Price of gas, $5.00. F 85.

CHICO. *Chico Gas and Electric Light Co. Capital stock, $60,000. G. W. Dorn, President and Superintendent. J. W. Caster, Secretary. J. R. Robinson, Treasurer. Price of gas, $4.00. Operate Westinghouse arc electric system. (See Central Stations.)

COLUSA. Colusa Gas Co. Capital stock, $25,000; all paid in. J. W. Goad, President and Superintendent. George Hagar, Vice-President. C. M. Ballantine, Secretary. Annual meeting held in March. Price of gas, $4.50. S F.

EUREKA. Eureka Gas Co. J. M. Livingston, President. C. O. G. Miller, Secretary and Treasurer. Thos. Petch, Superintendent. Price of gas, $3.00. G 85.

FRESNO. *Fresno Gas and Electric Light Co. Lewis Clark, President. E. C. White, Secretary. S. N. Smith, Superintendent. Price of gas, $4.00. Operate Waterhouse electric system. (See Central Stations.)

GILROY. Gilroy Gas and Water Co. Thos. Rea Gilroy, President. Geo. W. Lynch, Secretary. Bank of Gilroy, Treasurer. E. A. Holloway, Superintendent. Ju.

GRASS VALLEY. *Grass Valley Gas and Electric Light Co. John Glasson, President

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and Superintendent. Price of gas, $5.00. Operate Waterhouse electric system. (See Central Stations.)

HEALDSBURG. Healdsburg Gas Light Co. Owned by the Bank of Healdsburg. Ju.

HOLLISTER. Hollister Gas Co. T. S. Hawkins, President. E. B. Montgomery, Secretary. G. W. Lynch, Treasurer. W. W. McDonald, Superintendent. Price of gas, $4.00. Ju.

JACKSON. Jackson Gas Light Co. A. Chichizola, President. Richard Webb, Secretary. A. Ginocchio, Treasurer. A. Scapuzzi, Superintendent. Price of gas, $4.00. Ju.

LIVERMORE. Livermore Gas Co. Wm. Mendenhall, President. J. L. Mitchell, Vice-President. Philip Auspacher, Secretary. G. Gerst, Treasurer. Geo. B. Henderson, Superintendent. M M F.

LOS ANGELES. Los Angeles Lighting Co. Capital stock, $1,250,000. W. B. Cline, President. W. M. Van Dyke, Vice-President. R. M. Adams, Secretary and Treasurer. S. W. Garretson, Superintendent. Annual meeting held in January. Price of gas, $2.00. G 85.

MARYSVILLE. *Marysville Gas Co. Capital stock, $100,000; paid in $72,000. F. E. Knight, President, Treasurer and Superintendent. A. Pierce, Vice-President. A. Clark, Secretary. Annual meeting held in July. Price of gas, $4.00. Operate Brush electric system. (See Central Stations.)

MERCED CITY. *Merced Electric Light and Gas Co. Capital stock, $100,000. W. E. Deane, President and Treasurer. D. C. Bates, Secretary. A. C. Snaird, Superintendent. Price of gas, $4.50. Operate Heisler electric system. (See Central Stations.)

MODESTO. Modesto Gas Light Coal and Coke Co. L. C. Branch, President and Treasurer. E. P. Grant, Secretary and Superintendent. Price of gas, $4.00 to $5.00. F 85.

NAPA CITY. Napa City Gas Light Co. Capital stock, $160,000. Geo. E. Goodman, President. N. P. Goodman, Secretary and Treasurer. Theodore R. Parker, Superintendent. Price of gas, $4.00 Ju.

NEVADA CITY. Nevada Gas Light Co. F. A. Pierce, President. A. M. Allen, Secretary and Superintendent. Price of gas, $5.00. Ju.

OAKLAND. *Oakland Gas Light and Heat Co. Capital stock, $3,000,000. Jos. G. Eastland, President. John A. Britton, Secretary and Treasurer. Van L. Eastland, Superintendent. Price of gas, $2.00 to $2.50. Operate Thomson-Houston arc and Westinghouse incandescent electric systems. (See Central Stations.)

OROVILLE. Oroville Gas Co. A. Pierce, President. James Harvey, Superintendent. Price of gas, $4.00. Y H.

PASADENA. Pasadena Gas and Electric Co. T. S. C. Lowe, President. T. Lowe, Jr., Secretary. Annual meeting held in December. Price of gas, $2.75. Ju.

PETALUMA. Petaluma Gas Light Co. Capital stock, $100,000; paid in, $25,000. J. G. Wickersham, President. Fred. A. Wickersham, Secretary. J. A. Wright, Superintendent. Annual meeting held in September. Price of gas, $3.00. Ju.

PLACERVILLE. Placerville Gas Light Co. Capital stock, $20,000. Geo. Hofmeister, President. W. S. Panett, Secretary. C. H. Keil, Treasurer. Geo. Hilbert, Superintendent. Price of gas, $2.75. Ju.

POMONA. Pomona Gas and Electric Light Co. Capital stock, $50,000; paid in, $29,000. H. C. Houghton, President. J. E. Packard, Vice-President. H. S. Finney, Secretary. John H. Dole, Treasurer. Annual meeting held in October. Price of gas, $3.50. P P F.

RED BLUFF. Electric Light and Gas Co. J. S. Cone, owner and Superintendent. Price of gas, $4.00. G 85.

SACRAMENTO. *Capital Gas Co. Capital stock, $500,000. W. B. Steinman, President. C. H. Cummings, Secretary and Treasurer. J. C. Pierson, Superintendent. Price of

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gas, $3.00. Operate Thomson-Houston and Brush arc electric systems. (See Central Stations.)

SALINAS CITY. *Salinas City Gas and Water Co. J. B. Iverson, President. H. L. Porter, Secretary. Wm. Vanderhurst, Treasurer. F. B. Day, Superintendent. Price of gas, $4.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

SAN BARNARDINO. San Barnardino Gas Light Co. J. M. Livingston, President. C. O. G. Miller, Secretary. W. B. Cline, General Manager. Price of gas, $3.00 to $3.50. G 85.

SAN DIEGO. San Diego Gas and Electric Light Co. Capital stock, $500,000; all paid in. R. M. Powers, President and Superintendent. E. W. Bushyhead, Vice-President. F. W. Jackson, Secretary. Annual meeting held in January. Price of gas, $2.50. V G.

SAN FRANCISCO. San Francisco Gas Light Co. Capital stock, $10,000,000. J. B. Crockett, President and Engineer. Wm. G. Barrett, Secretary and Treasurer. Price of gas, $2.00. Ju.

Pacific Gas Improvement Co. Capital stock, $3,000,000. Albert Miller, President. I. M. Livingston, Secretary. C. O. G. Miller, Treasurer. F. H. Eichbaum, Superintendent. Price of gas, $1.75 and $2.00. Ju.

SAN JOSE. *San Jose Light and Power Co. Capital stock, $1,000,000; paid in, $875,000. Adam Riehl, President. Amasa Eaton, Vice-President. W. W. Gillespie, Secretary. C. T. Ryland, Treasurer. J. Fullager, Superintendent. Annual meeting held in June. Price of gas, $3.00 and $3.50. Operate Brush electric system. (See Central Stations.)

SAN LEANDRO. San Leandro Gas and Electric Light Co. Capital stock, $100,000. Wm. J. Landers, President. B. C. Hawes, Secretary and Treasurer. Jas. E. Quinn, Superintendent. Price of gas, $3.00, less 10 per cent. Ju.

SAN LUIS OBISPO. San Luis Obispo Gas Light Co. J. H. Prior, President and Treasurer. Price of gas, $4.00. G 85.

SAN RAFAEL. *San Rafael Gas and Electric Light Co. Capital stock, $200,000; paid in, $150,000. Allan Lee, President. S. B. Cushing, Secretary. John S. Kaneen, Superintendent. Annual meeting held in January. Price of gas, $3.50. Operate Brush electric system. (See Central Stations.)

SANTA BARBARA. *Santa Barbara Electric Light Co. Capital stock, $50,000. Geo. W. Coffin, President. A. B. Williams, Secretary and Superintendent. Commercial Bank, Treasurer. Price of gas, $4.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

SANTA CRUZ. Santa Cruz Gas Light Co. Owned by estate of David Tuthill. Price of gas, $3.00 to $3.50. F 85.

SANTA ROSA. *Santa Rosa Lighting Co. Capital stock, $100,000. J. M. Livingston, President. C. O. G. Miller, Secretary and Treasurer. J. P. Berry, Superintendent. Price of gas, $3.50. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

ST. HELENA. St. Helena Gas Co. Capital stock, $50,000; paid in, $26,700. J. N. Steres, President. F. S. Ewer, Secretary. Annual meeting held in June. Price of gas, $3.50, $4.00 and $5.00. S G.

STOCKTON. *Stockton Gas Light and Heat Co. Capital stock, $225,000. Jos. G. Eastland, President and Treasurer. A. T. Eastland, Secretary. Henry Adams, Superintendent. Price of gas, $2.75. Operate Fort Wayne arc and Slattery incandescent electric systems. (See Central Stations.)

TULARE. Tulare Gas Co. E. Lathrop, President. J. N. Wright, Vice-President. H. H. Francisco, Secretary. Martin Olsen, Superintendent. Annual meeting held in May. Price of gas, $4.00. F 85.

VALLEJO. Vallejo Gas Light Co. Capital stock, $100,000; paid in, $75,000. E. J. Wilson, President. S. G. Hilborn, Vice-President. G. W. Wilson, Secretary. J. W. Thomas, Superintendent. Annual meeting held in June. Price of gas, $4.00. F 85.

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VISALIA. *Visalia Gas Light and Heat Co. H. P. Perkins, President. Frank Disler, Superintendent. Price of gas, $4.00. Operate Western electric system. (See Central Stations.)

WATSONVILLE. Watsonville Maxim Gas Co. Capital stock, $30,000. H. Jackson, President. Geo. Pardee, Secretary. A. Lewis, Treasurer. Chas. Risdon, Superintendent. Price of gas, $3.50. M M F.

WOODLAND. *Consolidated Electric Light, Gas and Power Co. Capital stock, $50,000. W. W. Brownell, President. C. W. Bush, Secretary and Treasurer. O. J. Cheyney, Superintendent. Price of gas, 4.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

YREKA. *Yreka Gas Light Co. William Bisbee, President. F. A. Autenreith, Secretary, Treasurer and Superintendent. Price of gas, $7.50. Operate Thomson-Houston arc electric system. (See Central Stations.)

COLORADO.

COLORADO SPRINGS. Colorado Springs Lowe Gas and Electric Co. Capital stock, $200,000. T. S. C. Lowe, President. J. F. Humphrey, Secretary. L. P. Lowe, Treasurer. Price of gas, $1.50 to $2.50. V G.

DENVER. Denver Gas Co. Capital stock, $700,000. Wm. J. Fay, President and Superintendent. F. P. McManus. Secretary. First National Bank, Treasurer. Price of gas, $1.50 net. X X X G.

GEORGETOWN. Georgetown Gas Co. Capital stock, $30,000; all paid in. Chas. R. Fish, President. Fred. P. Dewey, Secretary, Manager and Treasurer. S. D. Fimmon, Superintendent. Annual meeting held in May. Price of gas, $4.00. S F.

GUNNISON. The Gunnison Gas and Water Co. Capital stock, $200,000. B. W. Lewis, President and Treasurer. D. J. McCanne, Secretary and Superintendent. Price of gas, $2.50 to $3.40. G 85.

LEADVILLE. Leadville Illuminating Gas Co. Capital stock, $100,000; all paid in. Charles L. Hall, President and Superintendent. Edward Eddy, Vice-President. Arthur Nichols, Secretary. Dennis Sullivan, Treasurer. Price of gas, $2.75 net. G 85.

PUEBLO. *Pueblo Gas and Electric Light Co. Capital stock, $300,000; all paid in. O. H. P. Baxter, President. Chas. E. Gail, Vice-President. Lewis Horey, Secretary. J. A. Thatcher, Treasurer. D. E. McCartney, Superintendent. Annual meeting held in October. Price of gas, $2.25. Operate Thomson-Houston electric system. (See Central Stations.)

TRINIDAD. Trinidad Gas Co. Capital stock, $100,000; all paid in. D. Gattlich, President. J. M. John, Vice-President. Barney Levy, Secretary and Treasurer. D. J. Luby, Superintendent. Annual meeting held in April. Price of gas, $1.85. S F.

CONNECTICUT.

BRIDGEPORT. Bridgeport Gas Light Co. Capital stock, $300,000; all paid in. Wm. R. Higby, President. F. B. Sammis, Secretary and Treasurer. Chas. A. Gerdenier, Superintendent. Annual meeting held in April. Price of gas, $1.70 net. Z H.

BIRMINGHAM. *Derby Gas Co. Capital stock, $180,000. William B. Wooster, President. Chas. H. Nettleton, Secretary, Treasurer and Superintendent. Price of gas, $1.49. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

DANBURY. *Danbury and Bethel Gas and Electric Light Co. (Danbury and Bethel.) Capital stock, $200,000; all paid in. C. H. Merritt, President. Geo. E. Cowperwait, Secretary and Superintendent. H. Williams, Treasurer. Annual meeting held in June. Price of gas, $1.55. Operate Schuyler electric system. (See Central Stations.)

HARTFORD. Hartford City Gas Light Co. Capital stock, $750,000; all paid in. James

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L. Howard, President. Thomas Evans, Secretary. John P. Harbison, Treasurer and General Manager. Annual meeting held in January. Price of gas, $1.25 to $1.40 net. H 85.

MERIDEN. *Meriden Gas Light Co. Capital stock, $175,000; all paid in. Geo. R. Curtis, President. S. Dodd, Secretary and Treasurer. J. A. Hadley, Superintendent. Annual meeting held in February. Price of gas, $1.80. Operate American and Thomson-Houston electric systems as the Meriden Electric Light Co. (See Central Stations.)

MIDDLETOWN. Middletown Gas Light Co. Capital stock, $150,000. A. B. Calef, President. F. E. Camp, Secretary and Treasurer. J. H. Jones, Superintendent. Price of gas, $2.00. W W G.

NEW BRITAIN. New Britain Gas Light Co. Capital stock, $150,000; all paid in. Geo. M. Landers, President. A. P. Collins, Secretary and Treasurer. E. C. Learned, Superintendent. Annual meeting held in February. Price of gas, $1.80 net. Y H.

NEW HARTFORD. Greenwood's Co. Capital stock, $300,000; all paid in. J. T. Turner (New York), President. Ouin Fitch, Secretary. E. A. Brinckerhoff (New York), Treasurer. Robert R. Smith, Superintendent. Annual meeting held in October. Price of gas, $1.50. Z Z H.

NEW HAVEN. New Haven Gas Light Co. Capital stock, $1,000,000; all paid in. D. Trowbridge, President. G. Morse, Jr., Secretary. E. J. Wild, Treasurer. F. C. Sherman, Superintendent. Annual meeting held in January. Price of gas, $1.50. X X H.

NEW LONDON. New London Gas Light Co. Andrew C. Lippitt, President and Superintendent. Chas. C. Lippitt, Secretary and Treasurer. Ju.

NORWALK. *Norwalk Gas Light Co. Capital stock, $87,500. E. J. Hill ,President and Treasurer. E. H. Parker, Secretary. L. C. Sanford, Superintendent. Price of gas, $1.60 to $2.00. Operate Ball arc electric system. (See Central Stations.)

NORWICH. Norwich City Gas Co. Capital stock, $125,000. Franklin Nicklos, President. C. C. Johns, Secretary and Treasurer. O. Gillmer, Superintendent. W H.

PUTNAM. *Putnam Light and Power Co. Capital stock, $40,000; all paid in. F. W. Perry, President. A. W. Bowen, Secretary, Treasurer and Superintendent. Annual meeting held in May. Price of gas, $2.00. Operate Thomson-Houston electric system. (See Central Stations.)

ROCKVILLE. Rockville Gas Light Co. J. N. Stickney, President. Price of gas, $2.25, 10 per cent. discount. S S H.

STAMFORD. Stamford Gas Light Co. Capital stock, $125,000; all paid in. Walton Ferguson, President. James I. Raymond, Secretary. Eward Gay, Superintendent. Annual meeting held in November. Price of gas, $2.00, with 12 per cent. discount. W W H.

WALLINGFORD. Wallingford Gas Light Co. Capital stock, $40,000; all paid in. W. J. Leavenworth, President and Treasurer. L. M. Hubbard, Secretary. F. H. Lane, Superintendent. Annual meeting held in January. Price of gas, $2.00. S F.

WATERBURY. Waterbury Gas Light Co. Capital stock, $250,000. J. S. Pierson, President. F. B. Field, Secretary and Treasurer. E. H. Williams, Superintendent. Price of gas, $2.00. Ju.

WILLIMANTIC. Willimantic Gas Co. Capital stock, $50,000. Col. Sherman, President. N. Manchester, Secretary. J. Howard Manchester, Treasurer and Superintendent. Price of gas, $2.00 to $2.50. F 85.

WEST WINSTED. *Winsted Gas Co. Capital stock, $60,000. Rufus E. Holmes, President. Henry Skinner, Secretary, Treasurer and Superintendent. Price of gas, $2.50. Operate Brush arc and United States alternating incandescent electric systems. (See Central Stations.)

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DELAWARE.

DOVER. Dover Gas Light Co. Capital stock, $22,000; all paid in. A. B. Richardson, President and Superintendent. W. S. Wilson, Secretary and Treasurer. Annual meeting held in August. Price of gas, $1.80 net. S S H.

NEW CASTLE. New Castle Gas Co. Capital stock, $45,000. Thos. T. Tasker, Sr., President. Wm. H. Clark, Secretary and Treasurer. Jas. B. Lancaster, Superintendent. Price of gas, private, $3.00; manufacturers, $2.00; city, $1.85. S G.

SMYRNA. Smyrna Coal, Gas and Coke Co. Capital stock, $16,000; all paid in. P. Maguire, President. Jos. Smithers, Secretary, Treasurer and Superintendent. Price of gas, $2.00. Ju.

WILMINGTON. Wilmington Coal Gas Co. Capital stock, $428,400; all paid in. Edward Betts, President. George S. Capelle, Vice-President. William P. Taylor, Secretary and Treasurer. Thomas Curley, Superintendent. Annual meeting held in September. Price of gas, $1.25 net. Z Z H.

DISTRICT OF COLUMBIA.

GEORGETOWN. Georgetown Gas Light Co. Capital stock, $144,000. John Leetch, President and Treasurer. Geo. W. Cropley, Secretary. I. D. Cathell, Superintendent. Price of gas, $1.50. Y H.

WASHINGTON. Washington Gas Light Co. Capital stock, $2,000,000; all paid in. George A. McIlhenny, President. C. B. Bailey, Secretary. John C. Poor, Treasurer, Thos. G. Lansden, Superintendent. Annual meeting held in February. Price of gas, $1.25. X X X H.

FLORIDA.

GAINESVILLE. Gainesville Gas and Electric Light Co. W. J. Winegar, President. G. Loper Bailey, Secretary and Treasurer. C. J. Hayes, Superintendent. Price of gas, $2.50, 10 per cent. discount. V G.

JACKSONVILLE. *Citizens' Gas and Electric Co. Capital stock, $100,000; all paid in. S. B. Hubbard, President. A. F. Perry, Secretary and Treasurer. C. S. Hammatt, Superintendent. Annual meeting held in April. Price of gas, $2.50 net. Operate Thomson-Houston electric system as the Jacksonville Electric Light Co. (See Central Stations.)

KEY WEST. Key West Gas and Electric Light Co. John Joy Philbrick, President. Ramun A. Monsalvatge, Secretary. P P G.

ORLANDO. South Florida Gas and Electric Light Co. P. A. Foster, President. J. N. Bradshaw, Secretary and Treasurer. G. W. Noss, Superintendent. Price of gas, $2.00 to $2.50. Ju.

PALATKA. Palatka Gas Light and Fuel Co. Capital stock, $50,000. H. G. Payne, President. Robert F. Smith, Secretary and Treasurer. C. J. Hayes, Superintendent. Price of gas, $2.50. S S H.

PENSACOLA. Pensacola Gas Co. Capital stock, $200,000. W. W. Gibbs, President. Edward C. Lee, Secretary and Treasurer. C. F. Zuk, Superintendent. Price of gas, $2.00. F 85.

SANFORD. Sanford Light and Fuel Co. Capital stock, $40,000; all paid in. H. L. De Forest, President. F. H. Rand, Vice-President. S. O. Chase, Secretary and Treasurer. Annual meeting held in January. Price of gas, $2.50. F 85.

ST. AUGUSTINE. St. Augustine Gas and Electric Light Co. Capital stock, $97,000. William G. Warden, President. C. D. Blauvelt, Secretary and Superintendent. J. W. Allen, Treasurer. Price of gas, $2.00. S S H.

TALLAHASSEE. Tallahassee Gas and Electric Light Co. E. S. Crill, President and Treasurer. W. M. McIntosh, Jr., Secretary. Price of gas, $2.50. Ju.

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GEORGIA.

AMERICUS. *Americus Light and Power Co. Capital stock, $60,000. W. M. Hawkes, President. W. E. Murphy, Secretary and Treasurer. Z. H. Gilreath, Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

ATHENS. *Athens Gas and Electric Light Co. Capital stock, $125,000. J. A. Hunnecott, President. J. T. Robinson, Secretary and Superintendent. N. A. Robinson, Treasurer. Price of gas, $2.50. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

ATLANTA. Atlanta Gas Light Co. Capital stock, $414,625. T. G. Healy, President. J. H. McCaslin, secretary. Edward C. Lee, treasurer. W. G. Abel, Manager. Price of gas, $1.00 net. Z H.

Gate City Gas Light Co. Capital stock, $200,000. H. Jackson, president. W. L. Cosgrove, Secretary. Edward C. Lee, Treasurer. W. G. Abel, Manager. Price of gas, $1.00. Ju.

AUGUSTA. The Gas Light Co. of Augusta. Capital stock, $160,000. Geo. T. Barnes, President and Treasurer. Horton B. Adams, Secretary. George S. Hookey, Superintendent. Price of gas, $2.00. Y H.

BRUNSWICK. *Brunswick Light and Water Co. Capital stock, $50,000. W. E. Burbage, President. W. E. Dutton, Secretary, Treasurer and Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

CEDARTOWN. Empire Water Light and Mfg. Co. Ju.

CARTERSVILLE. Cartersville Improvement, Gas and Water Co. Capital stock, $30,000; paid in, $28,000. Hiram Blaisdell, President. Elisha Thayer, Vice-President. John H. Wikle, Secretary. Peter W. French, Treasurer. Wm. B. Miller, Superintendent. Annual meeting held in January. Price of gas, $1.66 net. Ju.

COLUMBUS. The Gas Light Co. of Columbus. Capital stock, $80,525. T. E. Blanchard, President. T. D. Huff, Secretary and Treasurer. E. H. Jenkins, Superintendent. Price of gas, $1.75 net. $1.60 special. W H.

DALTON. Dalton Electric and Gas Light Co. Capital stock, $21,000; all paid in. T. R. Jones, President. J. W. Barrett, Vice-president. R. I. Peak, Secretary and Treasurer. Chas. Spencer, Superintendent. Annual meeting held in May. Price of gas, $1.50. N G.

MACON. *Macon Gas Light and Water Co. Capital stock, $150,000. Geo. F. Work, Secretary and Treasurer, Bank of America, Philadelphia. S. W. Wilcox, Superintendent. Price of gas, $1.50. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

ROME. Romo Gas Light Co. Capital stock, $100,000. R. T. Coverdale, President. J. J. Childs, Secretary and Treasurer. John C. Childs, Superintendent. Price of gas, $1.50 to $2.50. S G.

SAVANNAH. Mutual Gas Light Co. Capital stock, $150,000; all paid in. David Douglas, President and Superintendent. J. A. P. Crisfield Secretary. Edw. C. Lee, Treasurer. Annual meeting held in January. Price of gas, $1.80. Y H.

THOMASVILLE. Thomasville Gas Works Co. Capital stock, $30,000; all paid in. A. P. Write, President. H. D. Fitch, General Manager. E. M. Smith, Secretary and Treasurer. R. L. Dodson, Superintendent. Price of gas, $5.00. S F.

ILLINOIS.

ALTON. *Alton Gas and Electric Light Co. Capital stock, $100,000; all paid in. F. L. Underwood, President and Treasurer. Wm. Tracy, Secretary and Superintendent. Price of gas, $2.00 net. Operate American electric system. (See Central Stations.)

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AURORA. Aurora Gas Light and Coke Co. Capital stock, $100,000. Ira B. Copley, President and Treasurer. Ira Clifton Copley, Secretary and Superintendent. Price of gas, $1.00. V V H.

Excelsior Gas Co. Capital stock, $100,000. Peter English, President, Treasurer and Superintendent. Frank English, Secretary. Price of gas, $1.25. Ju.

BELLEVILLE. *Belleville Gas Light and Coke Co. Capital stock, $100,000. John Eimer, President. Ed. Abend, Secretary and Treasurer. H. Maguire, Superintendent. Price of gas, $1.50 net. Operate Brush arc electric system. (See Central Stations.)

BLOOMINGTON. *Citizens' Gas Light and Heating Co. Capital stock, $250,000. P. P. Mast, President. J. A. Wilcox, Secretary and Treasurer. Willard Parritt, Superintendent. Price of gas, $1.75. Operate Westinghouse arc and incandescent electric systems. (See Central Stations.)

CAIRO. *Cairo City Gas Co. Capital stock, $100,000. H. L. Halliday, President and Treasurer. Jno. W. Eakin, Secretary. John J. Rowe, Superintendent. Price of gas, $1.50. Operate Thomson-Houston arc electric system. (See Central Stations.)

CANTON. *People's Gas and Electric Light Co. A. C. Babcock, President. W. H. Parlin, Secretary and Treasurer. S. A. Drake, Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc electric system. (See Central Stations.)

CARLINVILLE. Carlinville Gas Light Co. W. F. Mounts, President, Secretary, Treasurer and Superintendent. Price of gas, $2.00. Ju.

CENTRALIA. Centralia Gas Light Co. Capital stock, $35,000. S. M. Warner, President. F. Kohl, Sr., Secretary and Treasurer. T. Lea Perkinson, Superintendent. Price of gas, $2.00. S S H.

CHAMPAIGN. Champaign and Urbana Gas Light and Coke Co. Wm. Walter Phelps, President. W. S. Maxwell, Secretary. A. J. Cheseboro, Treasurer and Superintendent. Price of gas, $2.00. Company in hands of a receiver.

CHICAGO. Calumet Gas Co. F. H. Watriss, President and Secretary. Geo. C. Wilson, Treasurer. C. H. Jackson, Superintendent. Price of gas, $1.75 net. Ju.

Chicago Gas Light and Coke Co. Capital stock, $5,000,000. Chas. T. Yerkes, President. George A. Yuille, Secretary and Treasurer. George O. Knapp, Superintendent. Price of gas, $1.25. X X X H.

Consumers' Gas Co. Capital stock, $5,000,000. C. E. Judson, President. C. F. Bryant, Secretary and Treasurer. Price of gas, $1.25 and $1.00. G 85.

Equitable Gas Light and Fuel Co. Capital stock, $3,000,000. Geo. O. Knapp, President and Superintendent. George A. Yuille, Secretary and Treasurer. Price of gas, $1.25. Ju.

Hyde Park Gas Co. Capital stock, $300,000. C. E. Judson, President. C. F. Bryant, Secretary and Treasurer. A. A. Chichester, Superintendent. Price of gas, $1.25. G 85.

People's Gas Light and Coke Co. Capital stock, $4,000,000. C. K. G. Billings, President. Geo. O. Knapp, Vice-President and Engineer. John S. Zimmerman, Secretary and Treasurer. Price of gas, $1.25. H 85.

DANVILLE. The Danville Gas Light Co. Capital stock, $61,100; all paid in. F. W. Penwell, President. A. R. Samuel, Secretary and Treasurer. Art. Mires, Superintendent. Annual Meeting held in January. Price of gas, $1.40. G 85.

DECATUR. *Decatur Gas Light and Coke Co. Capital stock, $100,000; all paid in. J. K. Warren, President. B. K. Durfee, Secretary and Treasurer. R. J. Stratton, Superintendent. Annual meeting held in April. Price of gas, $1.50 to $2.00. Operate Edison, Westinghouse, United States and Jenney electric systems as the Decatur Electric Co. (See Central Stations.)

DIXON. Dixon Gas and Electric Light Co. Capital stock, $24,000. F. A. Truman, President. George Steele, Secretary and Treasurer. Price of gas, $5.00. R H.

DUQUOIN. Duquoin Light, Heat and Power Co. Capital stock, $50,000. R. M.

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Foster, President. D. Sheppard, Secretary. J. R. Truesdale, Treasurer. Price of gas, $1.50. S G.

EAST ST. LOUIS. East St. Louis Gas Works. W. D. Griswold, sole owner, President. G. W. Ewing, Superintendent. Price of gas, $2,00. Z G.

ELGIN. Elgin American Gas Co. Capital stock, $100,000; all paid in. M. S. Greenough, President. Chas. V. Grant, Secretary and Treasurer. Robert F. Fitz, Superintendent. Annual meeting held in August. Price of gas, $1.80. G 85.

ENGLEWOOD. Lake Gas Co. Capital stock, $800,000. C. E. Judson, President. C. F. Bryant, Secretary and Treasurer. A. A. Chichester, Superintendent. Price of gas, $1.25 and 25 cents discount. Ju.

ENGLEWOOD AND LAKE. Economic Light and Heating Co. Jessie Sherwood, President. John M. Wanless, Secretary. Chas. E. Rollo, Treasurer. Ju.

EVANSTON. Northwestern Gas Light and Coke Co. Edwin Lee Brown, President. W. L. Brown, Secretary, Treasurer and Superintendent. Price of gas, $2.00, with discount. W H.

FREEPORT. *Freeport Gas Light and Coke Co. Capital stock, not incorporated. L. Z. Farwell, President. Z. T. F. Runner, Secretary, Treasurer and Superintendent. Price of gas, $1.80 to $2.25. Operate Thomson-Houston arc and Westinghouse incandescent electric systems. (See Central Stations.)

GALENA. Gas Light Co. of Galena. Capital stock, $63,000. R. Barrett, President. N. E. French, Secretary. L. A. Rowley, Treasurer. W. E. French, Superintendent. Price of gas, $2.25. Ju.

GALESBURG. Galesburg Gas Light and Coke Co. Capital stock, $100,000; all paid in. Howard Knowles, President. J. K. Mitchell, Secretary, Treasurer and Superintendent. Price of gas, $1.35 and $1.50. Own stock of the electric light company. W H.

GALIA. Galia Gas Light and Coke Co. A. Deen, President. C. B. Edson, Secretary. Geo. W. Hough, Treasurer. Thos. Sewell, Superintendent. Price of gas, $2.20. P P G.

JACKSONVILLE. *Jacksonville Gas Light and Coke Co. Capital stock, $127,000. M. P. Ayers, President. F. M. Doan, Secretary, Treasurer and Superintendent. Price of gas, $2.50, 20 per cent. discount. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

JOLIET. Joliet Gas Light and Coke Co. Capital stock, $40,000. W. A. Strong, President. Jas. G. Elwood, Secretary. F. W. Woodruff, Treasurer. E. Cathels, Superintendent. Price of gas, $2.00 and $1.75. S S H.

KANKAKEE. Kankakee Gas Works. J. N. Witherell, President and Vice-President. L. W. Shares, Secretary, Treasurer and Superintendent. Price of gas, $2.00.

KEWANEE. Kewanee Gas Light Co. Capital stock, $40,000. C. B. Bouton, President. N. S. Bouton, Secretary and Treasurer. Chas. Collin, Superintendent. Price of gas, $2.50. V V H.

LASALLE AND PERU. *Twin City Gas Works Co. Jas. W. Duncan, President. A. J. O'Connor, Secretary. N. W. Duncan, Treasurer and Manager. Price of gas, $2.50. Operate Thomson-Houston arc and United States incandescent electric systems. (See Central Stations.)

MACOMB. *Macomb Electric Light and Gas Co. Price of gas, $2.50. (See Central Stations.)

MATTOON. Mattoon Gas Light and Coke Co. Capital stock, $50,000; all paid in. Thos. T. Watson, President. J. B. Craig, Secretary. T. A. Weaver, Superintendent. Annual meeting held in February. Price of gas, $2.25 net. Ju.

MENDOTA. Mendota Gas Co. Capital stock, $20,000; all paid in. M. A. McKey, President. Geo. Holland, Secretary and Treasurer. Annual meeting held in July. Price of gas, $1.50 to $2.00. Z G.

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MOLINE. *People's Light and Fuel Manufacturing Co. Capital stock, $75,000; all paid in. J. M. Gould, President. W. C. Bennett, Vice-President. S. S. Davis, Secretary and Superintendent. C. F. Heminway, Treasurer. Annual meeting held in May. Price of gas, $1.50 to $2.50. Operate Westinghouse and United States electric systems. (See Central Stations.)

MONMOUTH. Monmouth Gas Light Co. R. Spencer, President. Thos. Hedge, Jr., Secretary. Wm. Foster, Treasurer. H. H. Berges, Superintendent. Price of gas, $1.75 and $2.00 net. F 85.

MORRIS. Morris Gas Co. C. D. Hauk, President, Secretary and Treasurer. M. Molony, Superintendent. Price of gas, $2.00. Ju.

OTTAWA. Ottawa Gas Light and Coke Co. Capital stock, $45,000; all paid in. A. D. Cressler, President. N. C. Perkins, Secretary and Superintendent. W. H. Hull, Treasurer. Annual meeting held in July. Price of gas, $2.00. S S H.

PARIS. *Paris Gas Light and Coke Co. Capital stock, $50,000; paid in, $45,000. L. E. Powell, President and Superintendent. J. E. Parrish, Secretary and Treasurer. Annual meeting held in January. Price of gas, $1.50 to $2.00. Operate Edison electric system. (See Central Stations.)

PEKIN. Pekin Gas Light Co. Capital stock, $66,000. Wm. Stanbery, President and Superintendent. F. H. Stanbery, Secretary and Treasurer. Price of gas, $2.00 net. Ju.

PEORIA. *Peoria Gas Light and Coke Co. Capital stock, $175,000. Leslie Robinson, President. Mathew Farrelly, Secretary and Treasurer. Peter Coffey, Superintendent. Price of gas, $1.00, $1.25, $1.50. Operate Thomson Houston arc and incandescent electric systems. (See Central Stations.)

PRINCETON. Princeton Gas Light Co. Capital stock, $——; paid in, $28,000. W. H. Messenkof, President. J. H. Delano, Secretary, Treasurer and Superintendent. Price of gas, $2.00. G 85.

PULLMAN. Pullman Gas Works Co. Geo. M. Pullman, President and Treasurer. A. S. Weinsheimer, Secretary. J. Cannon, Superintendent. Price of gas, $2.25; fuel, $1.75. Owned by P. Pullman, P. C. Co.

QUINCY. *Quincy Gas Light and Coke Co. Capital stock, $300,000. Wm. Stemwedell, President. A. W. Littleton, Secretary and Superintendent. First National Bank, Treasurer. Price of gas, $1.50 to $1.75. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

ROCKFORD. Rockford Gas Light and Coke Co. M. S. Greenough, President. C. V. Grant, Secretary and Treasurer. Henry S. Whipple, Superintendent. Price of gas, $1.40 to $1.80. V G.

ROCK ISLAND. Rock Island Gas Co. Capital stock, $100,000; all paid in. Sylvester Watts, President. W. H. Judge, Secretary, Treasurer and Superintendent. Annual meeting held in July. Price of gas, $2.00, with discount. W W H.

SPRINGFIELD. Springfield Gas Light Co. Capital stock, $75,000. Wm. Ridgely, President. Edward Ridgely, Secretary and Treasurer. W. H. Odiorne, Superintendent. Price of gas, $1.50 to $1.75. Z Z G.

STERLING. *Sterling Gas and Electric Light Co. Capital stock, $40,000; all paid in. W. A. Sanborn, President. John Charter, Secretary, Treasurer and Superintendent. Annual meeting held in June. Price of gas, $2.00. Operate Van Depoele and Westinghouse electric systems. (See Central Stations.)

STREATOR. Streator Gas Light and Coke Co. Capital stock, $60,000. John Weare, President. Chas. Weare, Secretary and Treasurer. W. H. Lukins, Superintendent. Price of gas, $2.50 and $2.00. Ju.

WAUKEGAN. Waukegan Gas Light Co. Capital stock, $20,000; all paid in. R. H. Smith, President. C. L. Wiard, Secretary and Treasurer. E. C Alford, Superintendent. Price of gas, $2.00. Ju.

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INDIANA.

ANDERSON. Anderson Natural Gas and Oil Co. Capital stock, $20,000; all paid in. Chas. T. Doxey, President. W. S. Robinson, Vice-President. E. P. Schlater, Secretary and Treasurer. John Ewing, Superintendent. Annual meeting held in February. Price of gas, $1.50. Company owns a natural gas plant and has a lease on the artificial plant. S G.

AURORA. Aurora Gas Light, Coal and Coke Co. Capital stock, $30,000; all paid in. C. L. Howe, President. H. W. Smith, Vice-President. J. C. Small, Secretary, Treasurer and Superintendent. Annual meeting held in December. Price of gas, $1.50, $2.00 and $2.50; fuel, $1.00. N G.

COLUMBUS. *Columbus Gas Light and Coke Co. Capital stock, $50,000. A. Keller, President. C. M. Keller, Secretary and Superintendent. Wm. Brockman, Treasurer. Price of gas, $2.00. Operate American and Thomson-Houston arc electric systems. (See Central Stations.)

CONNERSVILLE. Connersville Gas Light Manufacturing Co. Capital stock, $50,000; all paid in. James N. Huston, President. A. M. Sinks, Secretary. J. H. Riley, Treasurer. John D. McNaughton, Superintendent. Annual meeting held in January. Price of gas, $2.00. G 85.

CRAWFORDSVILLE. *Crawfordsville Water and Light Co. Capital stock, $300,000; all paid in. John S. Brown, President. P. C. Somerville, Secretary and Superintendent. Warren H. Ashley, Treasurer. Annual meeting held in December. Price of gas, $2.00. Operate Thomson-Houston electric system. (See Central Stations.)

ELKHART. Elkhart Gas Light and Coke Co. Capital stock, $50,000; all paid in. C. D. Rogs, President. Geo. F. Murdock, Secretary and Superintendent. Norman Sage, Treasurer. Annual meeting held in April. Price of gas, $1.40 to $2.00. V G.

EVANSVILLE. *Evansville Gas and Electric Light Co. Capital stock, $600,000; all paid in. F. J. Reitz, President. R. K. Dunkerson, Vice-President. J. B. Hall, Jr., Secretary. Samuel Bayard, Treasurer. J. F. Lynn, Superintendent. Annual meeting held in January. Price of gas, $1.50; fuel, $1.00. Operate Brush and Westinghouse electric systems. (See Central Stations.)

FORT WAYNE. Fort Wayne Gas Light Co. Capital stock, $225,000; all paid in. James Cheney, President, Treasurer and Superintendent. W. J. Probasco, Secretary. Annual meeting held in April. Price of gas, $1.50. Z H.

FRANKFORT. Frankfort Gas Light Co. M. S. Greenough (Boston), President. C. V. Grant (Philadelphia), Secretary and Treasurer. A. O. Smith, Superintendent. Price of gas, $2.00. S. G.

FRANKLIN. Franklin Gas Co. Capital stock, $20,000; all paid in. T. W. Woolen, President. W. S. Young, Secretary. S. P. Oyler, Treasurer. A. L. Woolen, Superintendent. Annual meeting held in January. Price of gas, $2.00. P P G.

GOSHEN. Goshen Gas Light Co. Capital stock, $27,000; all paid in. James M. Latig, President. Charles W. Miller, Secretary. Laporte Heefner, Treasurer. Augustus Heefner, Superintendent. Annual meeting held in January. Price of gas, $1.00 to $1.50. R R H.

GREENCASTLE. Greencastle Gas Light, Fuel and Coke Co. Capital stock, $60,000; all paid in. L. Johnson, President. W. A. Markle, Vice-President. Frank D. Oder, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.80 to $1.50

GREENSBURG. *Greensburg Gas and Electric Co. Capital stock, $65,000; paid in, $48,000. W. S. Woodfill, President. E. M. Watchill, Vice-President. Marshall Grover, Secretary. A. R. Forsyth, Treasurer. I. P. Long, Superintendent. Annual meeting held in April. Price of gas, $2.00 and $2.50. Operate Wood electric system. (See Central Stations.)

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HUNTINGTON. *Huntington Gas Light and Fuel Co. Bascome Parker, Secretary and Treasurer. Price of gas, 90 cents to $1.50. Operate Thomson-Houston arc electric system. (See Central Stations.)

INDIANAPOLIS. Indianapolis Gas Co. A. M. Fletcher, President. I. D. Pray, Secretary. James Somerville, superintendent. Price of gas, $1.25. Z Z H.

Indianapolis Gas Light and Coke Co. Capital stock, $350,000. A. M. Fletcher, President. S. D. Pray, Secretary. S. J. Fletcher, Treasurer. Jas. Somerville, Superintendent. Price of gas, $1.25. Ju.

JEFFERSONVILLE. Jeffersonville Gas Co. Capital stock, $——; paid in, $28,475. W. S. Wymond, President. H. D. Fetch, Vice-President. Fountain Poindexter, Secretary and Treasurer. H. T. Gerould, Superintendent. Annual meeting held in December. Price of gas, $1.80; fuel, $1.00. S G.

KOKOMO. Kokomo Gas Light Co. S. A. Stevens, President. W. H. Higgins, Secretary, Treasurer and Superintendent. Price of gas, $1.50. Ju.

LAFAYETTE. *Lafayette Gas Light Co. Wm. Wallace, President and Superintendent. Adam Wallace, Secretary. Alex. Wilson, Treasurer. Price of gas, $1.60, $1.70, $1.80, $1.90, less 20 per cent. discount. Operate Thomson Houston arc electric system. (See Central Stations.)

LA PORTE. La Porte Gas and Coke Co. Capital stock, $50,000. J. Gordon R. Wright, President and Secretary. John R. Wright, Treasurer. F. W. Freese, Superintendent. Price of gas, $2.00. S S H.

LAWRENCEBURG. Lawrenceburg Gas Co. Capital stock, $28,000. John Isherwood, President. O. T. Stockman, Secretary. John Isherman, Treasurer. T. W. Isherman, Superintendent. Price of gas, $2.00. N G.

LEBANON. Lebanon American Gas Co. Capital stock, $25,000; all paid in. Americus C. Daily, President. James C. Brown, Vice-President. Chas. M. Zion, Secretary and Treasurer. Wm. McKnight, Superintendent. Annual meeting held in February. Price of gas, $1.60. S G.

LOGANSPORT. Logansport Gas Light and Coke Co. Capital stock, $40,000; all paid in. A. J. Murdock, President. E. S. Rice, Secretary, Treasurer and Superintendent. Annual meeting held in May. Price of gas, $1.20. V G.

MADISON. Madison Gas Light Co. Capital stock, $75,000; all paid in. H. B. Foster, President and Secretary. Judge C. E. Walker, Vice-President. F. L. Powell, Treasurer. Sims Bolen, Superintendent. Annual meeting held in October. Price of gas, $1.50 to $2.25. V V H.

MARION. Marion Coal Gas Co. James S. Kuhn, President. Edward Cochnell, Secretary. W. S. Kuhn, Treasurer. Sims Bolen, Superintendent. Price of gas, $1.50 to $2.25. Ju.

MICHIGAN CITY. Michigan City Gas Co. Capital stock, $40,000. William Blink, President. M. Romel, Secretary and Treasurer. B. A. Ward, Superintendent. Price of gas, $2.00, 10 per cent. to 25 per cent. discount. P P G.

MUNCIE. Muncie Gas Works Co. Jas. S. Kuhn, President. S. M. Highlands, Secretary. W. S. Kuhn, Treasurer. H. H. Highlands, Superintendent. Price of gas, $1.50. F 85.

NEW ALBANY. *Gas Light and Coke Co. Capital stock, $250,000; paid in, $100,000. W. S. Culbertson, President. G. H. Devoh, Vice-President. J. K. Woodward, Jr., Secretary and Treasurer. Jas. W. Dunbar, Superintendent. Annual meeting in January. Price of gas, $1.50 to $2.00. Operate American electric system. (See Central Stations.)

PERU. Peru American Gas Co. M. S. Greenough, President. Chas. V. Grant, Secretary and Treasurer. Jas. M. Larned, Superintendent. Price of gas, $2.00. V G.

RICHMOND. *Richmond Gas Co. Capital stock, $100,000. James M. Starr, President

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C. C. Binkley, Secretary. Benjamin Starr, Treasurer. Price of gas, $1.20 net. Operate Thomson-Houston arc, Ft. Wayne incandescent electric systems. (See Central Stations.)

RUSHVILLE. Rushville Gas Light Co. Capital stock, $50,000; all paid in. J. G. Isham, President. M. M. Sweetman, Superintendent. Price of gas, $2.50.

SEYMOUR. *Seymour Gas Light and Coke Co. Capital stock, $25,000. J. H. Andrews, President. Theodore Groub, Secretary and Treasurer. Willard Bevins, Superintendent. Price of gas, $2.00. Operate Waterhouse arc electric system. (See Central Stations.)

SHELBYVILLE. Shelbyville Gas Light Co. Capital stock, $20,000; all paid in. Geo. H. Dunn, President. John H. Leofers, Vice-President. G. W. F. Kirk, Secretary. S. P. McCrea, Treasurer. Annual meeting held in July. Price of gas, $1.75 to $2.00. R H.

SOUTH BEND. South Bend Gas Light Co. J. M. Sludebaker, President and Treasurer. L. B. Skerritt, Secretary. B. W. Perkins, Superintendent. W H.

TERRE HAUTE. Citizens' Gas and Fuel Co. Capital stock, $100,000. P. H. Townley, President. R. S. Tenant, Secretary. A. Z. Foster, Treasurer. J. R. Kendall, Superintendent. No gas made. V H.

VALPARAISO. *Valparaiso Gas and Electric Light Co. Capital stock, $50,000. J. W. Stratton. Price of gas, $1.50 to $1.75. Operate Western Electric arc electric system. (See Central Stations.)

VINCENNES. Citizens' Gas Light Co. Capital stock, $50,000; all paid in. Dr. John H. Rabb, President. George G. Ramsdell, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.45 to $1.70 net. V G.

WABASH. Wabash Gas Co. Capital stock, $10,000; all paid in. J. D. Patton, President. G. S. Courtier, Superintendent. Annual meeting held in February. Price of gas, $3.70. M M F.

WARSAW. Warsaw Light, Fuel and Power Co. Capital stock, $20,000. J. A. Funk, President. J. E. Beyer, Secretary and Treasurer. J. D. Kutz, Superintendent. Price of gas, $2.00. Ju.

WASHINGTON. *Washington Gas and Electric Light Co. Capital stock, $60,000. G. W. Updyke, President. John M. Woodson, Secretary and Treasurer. Joseph C. Lord, Superintendent. Price of gas, $2.00; fuel, $1.75. Operate Waterhouse arc electric system. (See Central Stations.)

IOWA.

ATLANTIC. Atlantic Gas Light Co. Capital stock, $16,000; all paid in. George Josselyn, President. C. D. Jones, Secretary. E. Johnson, Superintendent. Price of gas, $2.50, with discounts. F 85.

BURLINGTON. Burlington Gas Light Co. Capital stock, $325,000. R. Spencer, President. Edward D. Clary, Secretary and Superintendent. Edward C. Lee, Treasurer. Price of gas, $1.75 to $2.00 net. W H.

CEDAR RAPIDS. Cedar Rapids Gas Light Co. A. T. Averill, President. John Thomas, Secretary. M. A. Highley, Treasurer. G. M. Averill, Superintendent. Price of gas, $2.25 to $2.00. W H.

CLINTON. Clinton Gas Light and Coke Co. Capital stock, $200,000. W. J. Young, President. C. Lamb, Vice-President. J. C. Weston, Secretary and Treasurer. Oliver Messer, Superintendent. Annual meeting held in January. Price of gas, $2.00. S S H.

COUNCIL BLUFFS. *Council Bluffs Gas and Electric Light Co. Capital stock, $500,000. Walter S. Wright, President and Superintendent. Chas. L. Easton, Secretary and Treasurer. Price of gas, $2.50, less 10 per cent. Operate Thomson-Houston arc and Westinghouse incandescent electric systems. (See Central Stations.)

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CRESTON. Creston Gas Light Works Co. Capital stock, $50,000. O. T. Holman, President and Manager. J. C. McClarty, Superintendent. Price of gas, $2.50. Ju.

DAVENPORT. *Davenport Gas Light Co. Capital stock, $250,000. J. R. Richardson, President. R. Woodmansee, Secretary, Treasurer and Superintendent. Price of gas, $1.75. Operate Fort Wayne arc and Thomson-Houston and Edison incandescent electric systems. (See Central Stations.)

DES MOINES. *Capital City Gas Light Co. Capital stock, $300,000. Samuel T. Bodine, President. Minturn T. Wright, Secretary. Edward C. Lee, Treasurer. Edward G. Pratt, Superintendent. Price of gas, $1.70 to $2.00. Operate Thomson-Houston arc and Thomson-Houston and Westinghouse incandescent electric systems. (See Central Stations.)

DUBUQUE. Key City Gas Co. Capital stock, $300,000. Wm. L. Bradley, President. Geo. McLean, Secretary. Geo. B. Birch, Treasurer. J. B. Howard, Superintendent. Price of gas, $1.50 to $2.00. Y H.

FAIRFIELD. *Fairfield Gas Co. Capital stock, $30,000. C. D. Jones, President. S. B. Honey, Secretary and Treasurer. J. J. Roe, Superintendent. Price of gas, $2.50. Operate Brush arc electric system. (See Central Stations.)

FORT DODGE. Fort Dodge Gas Co. Capital stock, $25,000; all paid in. G. S. Ringland, President. E. H. Ried, Secretary. J. H. Deming, Treasurer. D. W. Hunt & Son, Lessees. Annual meeting held in April. Price of gas, $2.50.

FORT MADISON. Fort Madison Gas Light Co. Capital stock, $100,000. G. D. L'Huilier, President. H. M. Gilligan, Secretary and Treasurer. P. M. Hanley, Superintendent. Price of gas, $2.00. Ju.

INDEPENDENCE. Independence Gas Co. L. V. Tabor, President. R. M. Campbell, Secretary and Treasurer. J. M. Calkins, Superintendent. Price of gas, $2.50, with discount. Y H.

IOWA CITY. *Iowa City Gas Co. Capital stock, $100,000. J. K. Graves, President. Ed. Switzer, Secretary and Treasurer. D. Davis, Superintendent. Price of gas, $2.50 to $2.90. Operate Western electric arc system. (See Central Stations.)

KEOKUK. Keokuk Gas Light and Coke Co. Capital stock, $103,000. Henry R. Miller, President, Treasurer and Superintendent. L. B. Miller, Secretary. Annual meeting held in January. Price of gas, $1.50. F 85.

LEMARS. Lemars Gas Light Co. A. S. Garretson, President and Treasurer. Samuel Albright, Superintendent. Price of gas, $2.25. R H.

MARSHALLTOWN. Marshalltown Gas Co. Chas. Weare, President. E. E. Weare, Secretary. Frank Andres, Superintendent. Price of gas, $2.00. Ju.

MT. PLEASANT. Mt. Pleasant Gas Co. Charles Snider, Superintendent. Price of gas, $2.80.

MUSCATINE. *Muscatine Gas, Electric Light and Power Co. Capital stock, $100,000; all paid in. G. B. Denison, President. J. B. Dougherty, Vice-President. A. B. Brown, Secretary. T. Cowell, Treasurer. Jas. Hannan, Superintendent. Annual meeting held in September. Price of gas, $2.50. Operate Thomson-Houston electric system. (See Central Stations.)

OSKALOOSA. *Oskaloosa Gas and Electric Light Co. John H. Graham, President. William McDonald, Secretary and Treasurer. E. S. Kellogg, Superintendent. Price of gas, $2.00. Operate Ft. Wayne arc electric system. (See Central Stations.)

OTTUMWA. Ottumwa Gas Light Co. Dwight Bannister, President and Treasurer. Leonard H. Ellsworth, Superintendent. S S H.

RED OAK. Red Oak Gas Light Co. Capital stock, $16,000. George Josselyn, President. C. D. Jones, Secretary and Treasurer. T. E. Carver, superintendent. Price of gas, $2.25. Ju.

SIOUX CITY. *Sioux City Gas Co. Capital stock, $100,000. S. T. Bodine, President.

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Edward C. Lee, Secretary and Treasurer. L. L. Kellogg, Superintendent. Price of gas, $1.50 to $2.25. Operate Thomson-Houston arc and Westinghouse incandescent electric systems. (See Central Stations.)

WASHINGTON. Washington Gas Light Co. N. Everson, President, Secretary and Treasurer. Pat O'Rourke, Superintendent. V G.

WATERLOO. *Waterloo Gas and Electric Light Co. Capital stock, $50,000; all paid in. O. C. Miller, President. G. Joselin, Vice-President. C. D. Jones, Secretary and Treasurer. L. D. Anthony, Superintendent. Annual meeting held in July. Price of gas, $2.12½. Operate Brush and Thomson-Houston electric systems. (See Central Stations.)

KANSAS.

ARKANSAS CITY. *Arkansas City Gas and Electric Light Co. Capital stock, $100,000; all paid in. Wm. M. Sleeth, President. A. A. Herman, Vice-President. Howard Ross, Secretary. T. P. Cameron, Superintendent. Annual meeting held in January. Price of gas, $2.00, $2.25 and $2.50. Operate Westinghouse and Thomson-Houston electric systems. (See Central Stations.)

ATCHISON. *Atchison Gas, Electric Light and Power Co. Capital stock, $250,000; all paid in. A. G. Otis, President. Geo. Storch, Vice-President. Jas. M. Chisham, Secretary and Superintendent. R. A. Park, Treasurer. Annual meeting held in April. Price of gas, $2.00 and $2.25. Operate Thomson-Houston electric system. (See Central Stations.)

EL DORADO. *El Dorado Gas and Electric Light Co. Capital stock, $60,000. T. O. Moffitt, President. J. M. Bent, Secretary. S. A. Danough, Treasurer. O. R. Cline, Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc and incandescent electric system. (See Central Stations.)

EMPORIA. *Emporia Electric Gas Light Co. Capital stock, $50,0000. R. D. Thomas, President. J. S. Walton, Secretary and Superintendent. H. Dulap, Treasurer. Price of gas, $2.50, less 10 per cent. Operate Thomson-Houston arc and Westinghouse incandescent electric systems. (See Central Stations.)

FORT SCOTT. Fort Scott City Gas Co. Capital stock, $150,000; all paid in. L. K. Scofield, President. Peter Bauer, Secretary, Treasurer and Superintendent. Annual meeting held in May. Price of gas, $1.25 to $2.00 net. G 85.

Fort Scott Light and Fuel Co. Capital stock, $200,000; paid in, $75,000. W. H. Frost, President and Superintendent. H. C. Moore, Vice-President. Geo. P. Knapp, Secretary. Annual meeting held in May. Price of gas, $1.00 to 50 cents. Ju.

GREAT BEND. Great Bend Gas and Coke Co. Wm. Bowser, President. H. M. Klien, Secretary and Superintendent. Louis Zutavern, Treasurer. Ju.

HUTCHINSON. Hutchinson Gas Light and Fuel Co. Theo. Plate, President and Treasurer. E. L. Meyer, Secretary. G. B. Armstrong, Superintendent. Price of gas, $3.50. Ju.

LAWRENCE. *Lawrence Gas, Fuel and Electric Light Co. Capital stock, $117,000; all paid in. G. W. E. Griffith, President. R. C. Johnson, Secretary, Treasurer and Superintendent. Annual meeting held in March. Price of gas, $2.50. Operate Edison and Thomson-Houston electric systems. (See Central Stations.)

LEAVENWORTH. *Leavenworth Gas, Fuel and Electric Light Co. Capital stock, $117,000. G. N. E. Griffin, President. R. C. Johnson, Secretary, Treasurer and Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc and Edison incandescent electric systems. (See Central Stations.)

Leavenworth Light and Heating Co. Capital stock, $150,000; all paid in. Edward Carroll, President. Paul E. Harens, Vice-President. McCown Hunt, Secretary. Edwin Henning, Treasurer. John Gimper, Superintendent. Annual meeting held in July. Price of gas, $1.50 to $2.00. Ju.

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NEWTON. Newton Illuminating Co. Capital stock, $35,000; paid in, $30,000. E. W. Pike, President and Treasurer. R. Dougherty, Secretary and Superintendent. Annual meeting held in January. Price of gas, $2.00 to $2.50. V G.

OTTAWA. Ottawa Gas Co. Capital stock, $50,000; all paid in. A. G. Leavitt (New York), President. G. C. Smith, Secretary and Treasurer. A. P. Elder, Superintendent. Annual meeting held in March. Price of gas, $1.50 to $2.50. Ju.

PARSONS. *Parsons Light and Heat Co. Capital stock, $50,000. Angell Mathewson, President and Treasurer. L. E. Weeks, Secretary. Chas. Workman, Superintendent. Price of gas, $2.50 to $3.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

PITTSBURGH. *Pittsburgh Gas Light and Coke Co. Capital stock, $50,000. O. T. Boaz, President. Sam'l Barratt, Secretary and Treasurer. Price of gas, $1.00 to $1.50. Operate Westinghouse arc and incandescent electric systems. (See Central Stations.)

SALINA. *Salina Gas and Electric Light Co. E. W. Pike, President and Superintendent. D. M. Davis, Secretary and Treasurer. Price of gas, $2.50; fuel, $2.00. Operate Thomson-Houston and Western Electric arc and Westinghouse incandescent electric systems. (See Central Stations.)

TOPEKA. Excelsior Coke and Gas Co. Capital stock, $——; paid in, $200,000. C. K. Holliday, President. D. L. Larkin, Vice-President and Treasurer. J. T. Clark, Secretary. B. E. Chollar, Superintendent. Annual meeting held in December. Price of gas, $1.35 to $2.00. W W H.

WELLINGTON. Wellington Gas Light and Heat Co. Capital stock, $50,000. G. H. Hunter, President. J. G. Smith, Secretary. N. C. Glaze, Treasurer. S. H. Havens, Superintendent. Price of gas, $2.00. Ju.

WICHITA. *Wichita Gas Electric Light and Power Co. Capital stock, $250,000. Henry C. Scott, President and Treasurer. Chas. E. Sharpe, Secretary. Robert Darney, Superintendent. Price of gas, $1.20 to $2.25. Operate Thomson-Houston arc electric system. (See Central Stations.)

WINFIELD. *Winfield Gas Co. Capital stock, $100,000. J. C. Fuller, President and Superintendent. Wm. Whiting, Vice-President. D. A. Millington, Secretary and Treasurer. Annual meeting held in January. Price of gas, $2.00 to $3.00. Operate Thomson-Houston electric system. (See Central Stations.)

WYANDOTTE. Wyandotte Gas Co. Capital stock, $120,000; all paid in. Randall Morgan, President. E. C. Lee, Secretary and Treasurer. Northrop Moore, Superintendent. Annual meeting held in January. Price of gas, $2.00. V G.

KENTUCKY.

BELLEVUE. Bellevue Water and Fuel Gas Co. Capital stock, $250,000. Chas. W. Baker, President. G. R. Harms, Secretary, Treasurer and Superintendent. Price of gas, $1.25. G 85.

BOWLING GREEN. Bowling Green Gas Light Co. Capital stock, $36,000. Thos. J. Smith, President. Wm. Jarvis, Secretary. H. D. Fitch, Treasurer. F. L. Pollard, Superintendent. Price of gas, $1.95; fuel, 95 cents. S G.

COVINGTON. Covington Gas Light Co. Capital stock, $800,000; all paid in. A. Shinkle, President. E. H. Pendleton, Vice-President. W. B. Sellers, Secretary. James Salter, Superintendent. Price of gas, $1.50. Z H.

DANVILLE. Danville Gas Light Co. Capital stock, $22,000. J. W. Proctor, President. C. H. Rhodes, Secretary. J. H. Thomas, Treasurer. J. S. Brown, Superintendent. Price of gas, $3.00. Ju.

FRANKFORT. *Capital Gas and Electric Light Co. Capital stock, $100,000; all paid in. Gen. D. W. Lindsey, President. E. L. Samuel, Secretary and Treasurer. Sam. J. Shea, Superintendent. Annual meeting held in January. Price of gas, $2.00. Operate Western electric system. (See Central Stations.)

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GEORGETOWN. Georgetown Gas Light Co. Capital stock, $22,000; all paid in. James Kelly, President. H. S. Rhoten, Secretary. Victor Bradley, Treasurer. Wm. E. Fullagan, Superintendent. Annual meeting held in May. Price of gas, $3.00 to $2.00. N G.

HENDERSON. City Gas Works. Robert Soaper, President. Wm. Cohnings, Secretary and Superintendent. C. T. Starling, Treasurer. Price of gas, $1.50. Ju.

HOPKINSVILLE. Hopkinsville Gas Co. Capital stock, $35,000. E. P. Campbell, President. Walter Kelly, Secretary and Treasurer. A. Hille, Superintendent. Price of gas, $2.00. F 85.

LEBANON. Lebanon Gas Light Co. Capital stock, $21,000; all paid in. J. A. Kelly, President. C. J. Edmonds, Secretary and Treasurer. J. F. Hawley, Superintendent. Annual meeting held in July. Price of gas, $10.00 (Oil Gas). M M F.

LEXINGTON. Lexington Gas Light Co. Capital stock, $160,000. Alexander Jeffrey, President. D. Virtner Johnson, Secretary and Treasurer. M. Ficny, Superintendent. Price of gas, $2.00. W W G.

LOUISVILLE. Citizens' Gas Light Co. Chas. R. Long, President. A. H. Barrett, Secretary, Treasurer and Superintendent. Price of gas, $1.00 and $1.30. Ju.

Louisville Gas Co. Capital stock, $——; paid in, $2,570,000. Geo. W. Morris, President. A. H. Barrett, Vice-President and Superintendent. E. S. Porter, Secretary. W. P. Lee, Treasurer. Annual meeting held in July. Price of gas, $1.30; fuel, 75 cents. X X X H.

MAYSVILLE. Citizens' Gas Light Co. (owned by Maysville Gas Co). Capital stock, $60,000. Wm. H. Wadworth, President. Robert A. Cochran, Secretary and Treasurer. James Simpson, Superintendent. Price of gas, $1.50. Ju.

Maysville Gas Co. Capital stock, $45,000. Robert A. Cochran, President. Jas. Simpson, Superintendent. Price of gas, $1.50. S S H.

MT. STERLING. Mt. Sterling Gas Light Co. Capital stock, $12,200. J. M. Bigstaff, President. Edward Mitchell, Secretary and Superintendent. T. J. Bigstaff, Treasurer. Price of gas, $2.50. Ju.

NEWPORT. *Newport Light Co. Capital stock, $100,000; all paid in. Jno. A. Williamson, President and Superintendent. L. R. Hawthorne, Secretary and Treasurer. Annual meeting held in January. Price of gas, $1.52 net. Operate Ball electric system. (See Central Stations.)

OWENSBORO. Owensboro Gas Co. Capital stock, $84,000. W. S. Wymond, President. P. T. Walkins, Secretary and Treasurer. J. A. Corley, Superintendent. Price of gas, $2.00; fuel, $1.00. V. G.

PADUCAH. Paducah Gas Light Co. Capital stock, $100,000; all paid in. John Gilbert, President. Chas. Reed, Vice-President. J. B. Hall, Jr., Secretary and Treasurer. H. W. Meyers, Superintendent. Annual meeting held in January. Price of gas, $1.25. Ju.

PARIS. Paris Gas Co. Capital stock $30,000; all paid in. A. Shire, President and Secretary. George Alexander, Treasurer. J. L. Lytle, Superintendent. Annual meeting held in January. Price of gas, $2.50. Ju.

RICHMOND. Richmond Gas Light Co. Capital stock, $25,000; all paid in. G. W. Evans, President. Chas. S. Powell, Secretary. J. Stone Walker, Treasurer. Annual meeting held in July. Price of gas, $3.00. N G.

SHELBYVILLE. New Shelby Gas Light Co. Capital stock, $16,000. H. D. Fitch, President and Treasurer. Wm. Jarvis, Secretary. J. D. Murry, Superintendent. Price of gas, $2.00. Ju.

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LOUISIANA.

BATON ROUGE. Baton Rouge Gas Co. J. V. Fisher, Proprietor. H. V. Barringer, Secretary, Treasurer and Superintendent. Price of gas, $3.00, with discount. Ju.

NEW ORLEANS. Jefferson City Gas Light Co. Capital stock, $300,000; all paid in. James Jackson, President. R. M. O'Brien, Vice-President. John Robertson, Secretary and Treasurer. Jasper Hunk, Superintendent. Annual meeting held in November. Price of gas, $2.40 net. Ju.

New Orleans Gas Light Co. Capital stock, $3,750,000; all paid in. A. H. Fiewerd, President. R. M. O'Brien, Vice-President. V. Vallois, Secretary and Superintendent. F. E. Richmond, Treasurer. Francis Carroll, Manager. Annual meeting held in January. Price of gas, one cent per hour per 20 candle power, gross. X X X H.

SHREVEPORT. *Shreveport Gas, Electric Light and Power Co. Capital stock, $200,000. J. C. Hamilton, President. W. E. Hamilton, Secretary and Treasurer. Geo. M. McConoughey, Superintendent. Price of gas, $2.25 to $3.00. Operate Van Depoele arc and Westinghouse incandescent electric systems. (See Central Stations.)

MAINE.

AUGUSTA. *Kennebec Light and Heat Co. (Augusta, Hallowell and Gardiner.) S. R. Small, President. Geo. F. West, Treasurer. W. H. Williams, Superintendent. Price of gas, $2.50. Operate Brush and Thomson-Houston electric systems. (See Central Stations.)

BANGOR. Bangor Gas Light Co. T. M. Coe, President. Henry Boardman, Secretary. Wm. S. Dennett, Treasurer. A. H. Parker, Superintendent. Annual meeting held in May. Price of gas, $2.25. W. G.

BATH. Bath Gas Light Co. Capital stock, $70,000. Galen C. Moses, President. Chas. I. McClellan, Secretary and Treasurer. A. D. Perry, Superintendent. Price of gas, $2.00. Ju.

BELFAST. Belfast Gas Light Co. Capital stock, $50,000; paid in, $17,500. Wm. B. Swan, President. John H. Quimby, Secretary and Treasurer. A. K. Pierce, Superintendent. Annual meeting held in January. Price of gas, $2.50. N G.

BRUNSWICK. Brunswick Gas Light Co. Capital stock, $20,000. B. G. Dennison, President. B. L. Dennison, treasurer. Price of gas, $2.50. Ju.

CALAIS. *St. Croix Gas Light Co. Capital stock, $24,000. Frank Todd, President. F. N. Davis, Secretary, Treasurer and Superintendent. Price of gas, $3.00, with discount. Operate Brush arc and incandescent electric systems. (See Central Stations.)

EASTPORT. *Eastport Gas and Electric Co. Capital stock, $50,000; paid in, $30,000. D. D. Leavitt, President. A. Bradford, Vice-President. N. B. Nutt, Secretary and Treasurer. J. F. Campbell, Superintendent. Annual meeting held in January. Price of gas, $2.50. Operate Thomson-Houston electric system. (See Central Stations.)

LEWISTON. Lewiston Gas Light Co. Capital stock, $75,000; all paid in. Wallace H. White, President. Wm. R. Stevens, Secretary. Edward C. Lee, Treasurer. Wm. M. Scott, Superintendent. Annual meeting held in September. Price of gas, $2.00. V G.

PORTLAND. Portland Gas Light Co. Capital stock, $350,000; paid in, $349,300. Edward H. Daveis, President. Samuel Rolfe, Treasurer. Wm. Yorke, Superintendent. Annual meeting held in May. Price of gas, $1.80 net. Z Z H.

ROCKLAND. Rockland and Thomaston Gas Light Co. Capital stock, $50,000. F. H. Odiome, President. L. Weeks, Secretary. A. M. Copp, Treasurer. C. T. Frost, Superintendent. Price of gas, $2.50. V G.

SACO. Saco and Biddeford Gas Light Co. Capital stock, $71,600; all paid in. Horace Woodman, President and Superintendent. S. S. Richards, Secretary and Treasurer. Annual meeting held in April. Price of gas, $2.00. S S F.

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MARYLAND.

ANNAPOLIS. Annapolis Gas Light Co. Capital stock, $49,500. T. O. Walton, President and Treasurer. John H. S. Nichols, Secretary. Geo. M. Taylor, Superintendent. Price of gas, $2.00. V V G.

BALTIMORE. The Consolidated Gas Co. Capital stock, $11,000,000; all paid in. John W. Hall, President. Wm. S. Carroll, Vice-President. L. R. Smoot, Secretary. Joseph W. Clarke, Treasurer. F. H. Hambleton, Engineer. Annual meeting held in July. Price of gas, $1.25 net. X X X H.

CAMBRIDGE. Cambridge Gas Co. E. W. Le Compte, President. J. B. Brown, Secretary and Superintendent. James R. Clark, Treasurer. Annual meeting held in June. Price of gas, $2.70. V V H.

CUMBERLAND. Cumberland Gas Light Co. Capital stock, $100,000. E. T. Shriver, President. W. Bruce, Treasurer. J. Fred. Slamon, Superintendent. Annual meeting held in March. Price of gas, $2.00, with discount. V G.

EASTON. *Easton Gas and Electric Light Co. Capital stock, $30,000. M. M. Dawson, President. John Mason, Secretary, Treasurer and Superintendent. Price of gas, $2.00. Operate Westinghouse incandescent electric system. (See Central Stations.)

ELKTON. Elkton Gas Light Co. Chas. M. Ellis, Secretary. Jos. Hinchliffe, Treasurer. Wm. Lort, Superintendent. Price of gas, $2.50. S G.

FREDERICK. American Light and Heat Co. (Lessees of the Isabella and Citizens' Gas Companies.) Henry Sterk (Philadelphia), President, Secretary and Treasurer. G. F. Clingan, Superintendent. Annual meeting held in July. Price of gas, $2.10, with discount. P P G.

FROSTBURG. Frostburg Gas Light Co. Capital stock, $25,000. James Kane, President and Superintendent. F. C. Beall, Secretary. B. Stern, Treasurer. Price of gas, $1.80 net. V H.

HAGERSTOWN. American Light and Heat Co. Henry Steck (Philadelphia), President. C. F. Manning, Superintendent. Price of gas, $1.90. P P F.

WESTMINSTER. Westminster Gas Light Co. Capital stock, $24,000; all paid in. John L. Reifsnider, President. J. H. Cunningham, Secretary and Treasurer. J. C. Mobley, Superintendent. Annual meeting held in March. Price of gas, $3.00, with discount. Ju.

MASSACHUSETTS.

ADAMS. Adams Gas Light Co. Capital stock, $17,300; all paid in. Daniel Upton, President and Treasurer. Wm. B. Plunkett, Secretary. Chas. A. Waters, Superintendent. Annual meeting held in July. Price of gas, $2.40 net. S S H.

AMESBURY. Amesbury Gas Co. Capital stock, $60,000. Wm. E. Biddle, President. E. E. Proctor, Treasurer. A. E. Hammond, Superintendent. Price of gas, $1.30, $1.50, $1.75, $2.00. G 85.

AMHERST. *Amherst Gas Co. Capital stock, $10,000. D. W. Palmer, President. George Cutler, Secretary and Treasurer. A. W. Sanderson, Superintendent. Price of gas, $4.50 to $6.00, with discount. Operate Westinghouse incandescent electric system. (See Central Stations.)

ARLINGTON. Arlington Gas Light Co. Capital Stock, $70,000. H. M. Howe, President. J. H. Converse, Secretary and Treasurer. C. H. Wharton, Superintendent. Price of gas, $2.75. S S F.

ATHOL. *Millers River Gas Light Co. Capital stock, $40,000. F. A. Sawyer, President. F. R. Davis, Secretary, Treasurer and Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

ATTLEBORO. Attleboro Gas Light Co. Capital stock, $50,000; paid in, $46,400. J. R. Bronson, President. E. S. Harton, Vice-President. G. A. Dean, Secretary and

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Treasurer. E. S. Capron, Superintendent. Annual meeting held in July. Price of gas, $2.00. S S H.

BEVERLY. *Beverly Gas Light Co. Capital stock, $50,000. John I. Baker, President. Andrew Rogers, Secretary and Treasurer. Edward I. Hassett, Superintendent. Price of gas, $2.20 to $2.40. Operate Thomson-Houston arc electric system. (See Central Stations.)

BOSTON. Bay State Gas Co. Samuel Little, President. F. P. Addicks, Treasurer. W. R. Addicks, Engineer. Ju.

Boston Gas Light Co. J. E. Addicks, President. Chas. R. Todd, Secretary. F. P. Addicks, Treasurer. M. S. Greenough, Engineer. Price of Gas, $1.30. Ju.

*Charlestown Gas Co. James F. Hunnewell, President. George B. Neal, Manager and Treasurer. Patrick Coyle, Superintendent. Price of gas, $1.25 to $1.75. Operate Brush electric system. (See Central Stations.)

Dorchester Gas Light Co. N. J. Rust, President. C. R. Todd, Secretary. F. P. Addicks, Treasurer. J. Q. A. Spear, Superintendent. Price of gas, $2.20 and $2.70. Ju.

East Boston Gas Co. Capital stock, $220,000; all paid in. Stephen H. Whidden, President. J. W. Andrews, Treasurer. John H. Buncham, Superintendent. Annual meeting held in January. Price of gas, $1.75. Z H.

Jamaica Plain Gas Light Co. Capital stock, $200,000; all paid in. F. A. Peters, President and Vice-President. Geo. W. Kenyon, Secretary and Treasurer. James F. Rogers, Superintendent. Annual meeting held in September. Price of gas, $2.00 net. Z H.

Roxbury Gas Light Co. Samuel Little, President. Chas. R. Todd, Secretary. F. P. Addicks, Treasurer. L. W. Wells, Superintendent. Price of gas, $1.60. Ju.

South Boston Gas Light Co. E. C. Fitz, President. C. R. Todd, Secretary. F. P. Addicks, Treasurer. E. Jones, Superintendent. Price of gas, $1.80. Ju.

BROCKTON. Brockton Gas Light Co. Capital stock, $100,000. Malcolm Peters, Manager and Vice-President. J. W. Whitmarsh, Secretary and Treasurer. Eugene H. Yorke, Superintendent. Price of gas, $2.50; 10 to 25 per cent. discount. W G.

BROOKLINE. *Brookline Gas Light Co. Capital stock, $450,000. Robert Amory, President. Francis W. Lawrence, Secretary and Treasurer. Chas. S. Spaulding, Superintendent. Price of gas, $1.90. Operate American and Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

CAMBRIDGE. Cambridge Gas Light Co. Capital stock, $700,000. D. U. Camberlain, President. Adolph Vogl, Secretary and Treasurer. Horace Allyn, Superintendent. Price of gas, $1.75. X H.

CHELSEA. *Chelsea Gas Light Co. Capital stock, $300,000; all paid in. Wm. G. Peck, President. D. J. Coburn, Secretary. Geo. W. Moses, Treasurer. John Andrews, Superintendent. Annual meeting held in July. Price of gas, $2.00. Operate Thomson-Houston electric system. (See Central Stations.)

CHICOPEE. *Chicopee Gas Works Co. Capital stock, $30,000. T. J. Coolidge, President. David Boynton, Treasurer and Superintendent. Price of gas, $2.25. Operate Thomson-Houston arc electric system. (See Central Stations.)

CLINTON. *Clinton Gas Light Co. Capital stock, $35,000; all paid in. Eli Forbes, President. Henry N. Bigelow, Secretary and General Manager. Wm. H. Spaulding, Superintendent. Annual meeting held in February. Price of gas, $2.50, with discount. Operate Schuyler electric system. (See Central Stations.)

COTTAGE CITY. Cottage City Gas and Electric Light Co. W H. Cobb, President. J. A. Brownell, Secretary. S. C. Hart, Treasurer. Thos. D. Crowell, Superintendent. Price of gas, $2.00.

DANVERS. Danvers Gas Light Co. W. E. Fette, President. Louis A. Wyman, Treasurer and Clerk. D. J. O'Neil, Superintendent. Price of gas, $2.80. P P G.

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DEDHAM. Dedham and Hyde Park Gas and Electric Co. Capital stock, $100,000. J. W. Clark, President. C. A. Taft, Secretary and Treasurer. George F. Goodno, Superintendent. Price of gas, $2.00 to $2.50. S G.

EASTHAMPTON. *Easthampton Gas Light Co. Capital stock, $35,000. Eli Forbes, President. Henry N. Bigelow, Secretary and Treasurer. Wm. H. Spaulding, Superintendent. Price of gas, $2.50, less 5 per cent. discount. Operate Schuyler arc and Thomson-Houston incandescent electric systems. (See Central Stations.)

FALL RIVER. Fall River Gas Works Co. Capital stock, $288,000. John T. Brayton, President. George P. Brown, Manager. Edward C. Lee, Treasurer. George H. Harper, Superintendent. Price of gas, $1.75 and $1.50 net. Z H.

Manufacturers' Gas Light Co. Capital stock, $50,000; all paid in. Chas. M. Shove, President. Jos. A. Baker, Secretary and Treasurer. Martin Dalton, Superintendent. Annual meeting held in July. Price of gas, $1.50 to $1.75. Ju.

FITCHBURG. *Fitchburg Gas Co. Capital stock, $60,000. Rodney Wallace, President. Henry F. Coggeshall, Secretary, Treasurer and Superintendent. Price of gas, $1.60 to $2.00. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

GLOUCESTER. Gloucester Gas Light Co. Capital stock, $62,000. F. H. Odiorne, President. D. W. Low, Secretary and Treasurer. J. A. Coffin, Superintendent. Price of gas, $1.80. V V H.

GREAT BARRINGTON. Great Barrington Gas Light Co Capital stock, $5.000. John S. Dodge, President. George E. Russell, Secretary and Treasurer. Price of gas, $3.50. G 85.

GREENFIELD. Greenfield Gas Light Co. Capital stock, $50,000; all paid in. Frank R. Allen, President. Dana Malone, Secretary and Treasurer. Henry H. Kelly, Superintendent. Annual meeting held in July. Price of gas, $2.50. V V H.

HAVERHILL. Haverhill Gas Light Co. Capital stock, $75,000. A. A. Sargent, President. W. H. Curtis, Secretary and Treasurer. N. K. Stratton, Superintendent. Price of gas, $1.40 net. V V H.

HOLYOKE. *Holyoke Water Power Co. Capital stock, $600,000; all paid in. Gideon Wells, President. E. S. Waters, Secretary and Treasurer. L. D. Rhoades, Superintendent. Annual meeting held in June. Price of gas, $2.00, with discount. Operate Edison and Schuyler electric systems. (See Central Stations.)

IPSWICH. Ipswich Gas Light Co. Joseph Bass, President. W. K. Bell, Secretary, Treasurer and Superintendent. Price of gas, $3.50. Ju.

LAWRENCE. Lawrence Gas Co. Geo. L. Davis, President. C. J. Humphreys, Secretary. G. P. Gates, Treasurer. Price of gas, $1.30 and $1.50. Z Z H.

LEE. *Lee Gas Co. Robinson & Dresser, President. David Dresser, Treasurer. J. C. Chaffee, Superintendent. Price of gas, $7.50. Operate Thomson-Houston incandescent electric system. (See Central Stations.)

LEOMINSTER. Leominster Gas Light Co. Capital stock, $50,000; all paid in. Charles L. Joslin, President. Howard M. Lane, Secretary, Treasurer and Superintendent. Annual meeting held in February. Price of gas, $4.00. S G.

LEXINGTON. Lexington Gas Light Co. Capital stock, $20,000; all paid in. Hammon Reed, President. Leonard H. Saville, Secretary, Treasurer and Superintendent. Annual meeting held in June. Price of gas, $6.00, with 10 per cent. discount. Ju.

LOWELL. Lowell Gas Light Co. Capital stock, $500,000. Sewall G. Mack, President. D. B. Bartlett, Secretary. Jacob Rogers, Treasurer. Price of gas, $1.10. Z Z H.

LYNN. *Lynn Gas and Electric Co. Capital stock, $375,000; all paid in. Chas. H. Newhall, President. Chas. C. Fry, Secretary and Treasurer. Chas. F. Prichard, Superintendent. Annual meeting held in January. Price of gas, $1.60. Operate Thomson-Houston electric system. (See Central Stations.)

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MALDEN. Malden and Melrose Gas Light Co. Capital stock, $220,000. Joshua T. Foster, President. George D. Bill, Secretary, Treasurer and Superintendent. Price of gas, $2.00 net. W W G.

MARBLEHEAD. Marblehead Gas and Electric Light Co. W. E. Fette, President. Louis A. Wyman, Treasurer and Clerk. Price of gas, $2.50. S G.

MARLBOROUGH. Marlborough Gas Light Co. Capital stock, $50,000. H. S. Howe, President. H. S. Crowell, Secretary and Treasurer. Wm. Anderson, Superintendent. Price of gas, $2.50.

MIDDLEBORO. *Middleboro Gas and Electric Co. E. N. Wilbur, President. Geo. A. Smith, Secretary and Treasurer. John N. Main, Superintendent. Price of gas, $5.00. Operate Westinghouse electric system. (See Central Stations.)

MILFORD. Milford Gas Co. Capital stock, $80,000. C. B. Claflin, President. L. H. Cooke, Secretary. B. E. Harris, Treasurer. J. J. Nutter, Superintendent. Price of gas, $2.00. V G.

NANTUCKET. Nantucket Gas Light Co. Capital stock, $36,000; all paid in. Almon T. Mowry, President. Andrew M. Myrick, Secretary and Treasurer. I. E. Coffin, Superintendent. Annual meeting held in July. Price of gas, $3.00. F 85.

NATICK. Natick Gas Light Co. Capital stock, $20,000; all paid in. Riley Pebbles, President. Harrison Harwood, Vice-President. G. F. Maemim, Secretary and Superintendent. G. A. Clark, Treasurer. Annual meeting held in January. Price of gas, $2.00, with discount. P P G.

NEW BEDFORD. *New Bedford Gas Light Co. Capital stock, $400,000. Gilbert Allen, President and Treasurer. Robert B. Taber, Secretary. Gideon Wood, Superintendent. Price of gas, $1.50 to $1.80. Operate Thomson-Houston arc and Westinghouse incandescent electric systems. (See Central Stations.)

NEWBURYPORT. *Newburyport Gas and Electric Co. Capital stock, $140,000. Elisha P. Dodge, President. E. F. Stone, Treasurer. D. D. Tilton, Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

NEWTON. *Newton and Watertown Gas Light Co. Capital stock, $200,000; all paid in. J. N. Bacon, President. F. Murdock, Secretary and Treasurer. Waldo A. Learned, Superintendent. Annual meeting held in February. Price of gas, $2.00 net. Operate Thomson-Houston electric system. (See Central Stations.)

NORTH ADAMS. *North Adams Gas Light Co. W. L. Brown, President. E. B. Hamblen, Secretary. F. S. Richardson, Treasurer and Manager. L. W. Woodward, Superintendent. Price of gas, $1.60 to $1.85. Operate Thomson-Houston electric system. (See Central Stations.)

NORTHAMPTON. Northampton Gas Light Co. Capital stock, $50,000; all paid in. Marvin M. French, President. Geo. P. Dickinson, Secretary and Treasurer. D. W. Crafts, Superintendent. Annual meeting held in July. Price of gas, $2.00, with discount. V V H.

NORTH ATTLEBORO. North Attleboro Gas Light Co. Capital stock, $68,100. H. F. Barrows, President. C. H. Randall, Treasurer. W. B. Knight, Superintendent. Price of gas, $2.00. V G.

NORWOOD. Norwood Gas Light Co. Capital stock, $12,000. G. H. Morrill, President. E. J. Shattuck, Secretary and Treasurer. Price of gas, $2.70. P F.

PITTSFIELD. Pittsfield Coal Gas Light Co. Capital stock, $62,500; all paid in. R. W. Adams, President. W. R. Plunkett, Secretary and Treasurer. John F. Dunbar, Superintendent. Annual meeting held in July. Price of gas, $1.50 to $2.25. Union Gas Works connected with above. W W H.

PLYMOUTH. Plymouth Gas Light Co. Capital stock, $40,000; all paid in. F. H. Odiorne, President. A. M. Copp, Secretary and Treasurer. A. Atwood, Superintendent. Annual meeting held in July. Price of gas, $2.50, with discount. F 85.

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QUINCY. Citizens' Gas Light Co. Capital stock, $33,000. John Cloffy, President. M. R. Williams, Secretary and Treasurer. J. J. Sullivan, Superintendent. Price of gas, $2.00 to $3.00. S G.

READING. Citizens' Gas Light Co. of Reading. Capital stock, $95,300. William E. Biddle, President. Edward E. Proctor, Treasurer. B. B. Burbank, Superintendent. Price of gas, $2.50. South Reading and Stoneham, Wakefield also. Ju.

SALEM. Salem Gas Light Co. Capital stock, $300,000; all paid in. J. W. Leighton, President. B. W. Sherman, Secretary. D. Moore, Treasurer. R. J. Long, Superintendent. Annual meeting held in February. Price of gas, $1.80 net. Z Z H.

SOUTHBRIDGE. *Southbridge Gas and Electric Co. Capital stock, $40,000; all paid in. Hiram C. Wells, President. Herman T. Hyde, Secretary. I. P. Hyde, Treasurer. Geo. A. Bartlett, Superintendent. Annual meeting held in June. Price of gas, $3.00. Operate Thomson-Houston electric system. (See Central Stations.)

SPENCER. *Spencer Gas Co. Capital stock, $85,000. Luther Hill, President. Emerson Stone, Secretary. Richard Suyden, Treasurer. Edwin Evans, Superintendent. Price of gas, $1.25. Operate Ball arc electric system. (See Central Stations.)

SPRINGFIELD. Springfield Gas Light Co. Capital stock, $500,000; all paid in. W. H. Haile, President. E. S. Brewer, Secretary. Ira B. Allen, Treasurer. S. J. Forbes, Superintendent. Annual meeting held in January. Price of gas, $1.75. X H.

STOUGHTON. *Stoughton Light, Heat and Power Co. George F. Walker, President. F. M. Smith, Secretary. Geo. H. Drew, Treasurer. Price of gas, $6.00. Operate Ball arc electric system. (See Central Stations.)

TAUNTON. Taunton Gas Light Co. Capital stock, $80,000. John E. Sanford, President. Henry B. Leach, Secretary, Treasurer and Superintendent. Price of gas, $1.40 to $1.50. W H.

WAKEFIELD. Citizens' Wakefield, Stoneham and Reading Gas Light Co. Daniel G. Walton, President. Thomas Winship, Secretary and Treasurer. B. B. Burbank, Superintendent. Price of gas, $2.50. W G.

WALTHAM. *Waltham Gas Light Co. Capital stock, $140,000. Lowell Clark, Vice-President. Geo. A. Stearns, Secretary and Treasurer. C. F. Spaulding, Superintendent. Price of gas, $2.00; average, $1.81. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

WARE. *Ware Gas Co.; owned by Otis Company. Fred C. Blood, Superintendent. Price of gas, $2.25. Operate Thomson-Houston arc electric system. (See Central Stations.)

WEBSTER. *Webster Gas Light Co. Capital stock, $45,000. N. T. Hurlbutt, President. John W. Dobbie, Secretary. John S. Gould, Treasurer and Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc and Thomson-Houston and Westinghouse incandescent electric systems. (See Central Stations.)

WESTFIELD. *Westfield Gas Light Co. Capital stock, $54,000. L. R. Norton, President. S. J. Fowler, Secretary, Treasurer and Superintendent. Price of gas, $2.00. Operate Schuyler arc and Thomson-Houston alternating incandescent electric systems. (See Central Stations.)

WEST SPRINGFIELD. West Springfield Gas Co. Geo. L. Wright, President. Thos. B. Warren, Secretary. J. L. Worthy, Treasurer. Works not in operation.

WOBURN. Woburn Gas Light Co. Capital stock, $45,100; all paid in. R. J. Monks, Secretary and Treasurer. John Gilcreast, Superintendent. Annual meeting held in July. Price of gas, $2.00, with discount. S G.

WORCESTER. Worcester Gas Light Co. Capital stock, $500,000; all paid in. Charles Dudley Lamson, President. Jas. P. Hamilton, Secretary and Treasurer. J. E Wetherbee, Superintendent. Annual meeting held in May. Price of gas, $1.80, with discount. X H.

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MICHIGAN.

ADRIAN. Adrian Gas Co. Capital stock, $7,500. . H. Welston, President, Secretary and Treasurer. C. H. Raynor, Superintendent. Price of gas, $2.50. V G.

ALPENA. Alpena Gas Co. Capital stock, $18,000. W. L. Churchill, President. Geo. W. Moore, Secretary and Treasurer. Peter E. De Mill, Jr., Superintendent. Price of gas, $2.50, less 10 per cent. discount. F 85.

ANN ARBOR. Ann Arbor Gas Co. Capital stock, $60,000. Silas H. Douglas, President and Superintendent. Samuel T. Douglas, Secretary. Henry W. Douglas, Treasurer. Price of gas, $2.00 to $1.50. V V H.

BATTLE CREEK. Battle Creek Gas Light Co. Capital stock, $65,000; paid in $56,000. J. M. Ward, President. R. P. Kingman, Vice-President. James Boughton, Secretary and Treasurer. James Watts, Superintendent. Annual meeting held in July. Price of gas, $1.50 to $2.00. V V H.

BAY CITY. Bay City Gas Co. Capital stock, $50,000. James Clements, President. Charles R. Wells, Secretary and Treasurer. Robert Calhoun, Superintendent. Price of gas, $1.60. S S H.

BIG RAPIDS. Big Rapids Gas Co. J. D. Patton, President. E. Withers, Superintendent. Price of gas, $4.00.

CHARLOTTE. Charlotte Gas Co. Capital stock, $16,600; all paid in. R. C. Jones, President. F. A. Hooker, Secretary and Treasurer. W. Pickell, Superintendent. Annual meeting held in January. Price of gas, $1.50. P P G.

COLDWATER. *Coldwater Gas Light Co. Capital stock, $40,000. N. P. Loveridge, President. J. G. Parkhurst, Secretary and Superintendent. D. B. Dennis, Treasurer. Price of gas, $2.50 to $3.00. Operate Western arc electric system. (See Central Stations.)

DETROIT. Detroit Gas Light Co. Capital stock, $1,000,000. Alexander Lewis, President. Chas. A. King, Secretary. Jabob S. Farrand, Treasurer. Price of gas, $1.50. X H.

Mutual Gas Co. Capital stock, $1,000,000. Thos. Dean, President. W. B. Miller, Secretary and Treasurer. E. D. Miller, Superintendent. Price of gas, $1.50. Ju.

EAST SAGINAW. East Saginaw Gas Light Co. Capital stock, $300,000. William L. Webber, President. Harlan P. Smith, Secretary. George W. Morley, Treasurer. Gustav A. Hyde, Jr., Superintendent. Price of gas, $1.00 to $1.50. F 85.

FLINT. City of Flint Gas Light Co. Capital stock, $100,000; all paid in. J. H. Begole, President. G. L. Denham, Secretary. H. Wilder, Treasurer. A. McCorkill, Superintendent. Annual meeting held in April. Price of gas, $2.00 net. V V H.

GRAND HAVEN. Grand Haven Gas Co. Capital stock, $40,000. A. J. Emlaw, President. J. J. Danhof, Secretary. G. W. Miller, Treasurer. P P G.

GRAND RAPIDS. Grand Rapids Gas Co. Capital stock, $400,000; all paid in. Thos. D. Gibbart, President. Noyer L. Avery, Vice-President. H. D. Wallbridge, Secretary and Treasurer. Wm. S. McCay, Superintendent. Annual meeting held in January. Price of gas, $1.14. Z Z H.

GREENVILLE. *Greenville Gas Works Co. Foster & Anderson, Proprietors. Price of gas, $2.00. Operate Ft. Wayne arc electric system. (See Central Stations.)

HILLSDALE. *Hillsdale Gas Co. Capital stock, $40,000; all paid in. F. W. Stock, Proprietor. A. D. Stock, Superintendent. Price of gas, $2.50; fuel, $1.50. Operate Thomson-Houston and Westinghouse electric systems as the Hillsdale City Electric Light Co. (See Central Stations.)

IONIA. Ionia Gas Light and Coke Co. Capital stock, $50,000; paid in, $35,000. Geo. W. Webber, President. H. B. Webber, Secretary and Treasurer. Edward F. Gallagher, Superintendent. Annual meeting held in June. Price of gas, $1.60. S S H.

JACKSON. Jackson Natural Gas and Fuel Co. Capital stock, $100,000. J. J. Mitchell,

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President. E. H. Randall, Secretary. C. Buckingham, Treasurer. W. P. Lane, Superintendent. Price of gas, 80 cents. Ju.

Jackson Gas Light Co. David F. Dwight, President. Frank D. Bennett, Secretary. W. M. Eaton, Treasurer and Superintendent. Price of gas, $1.35 to $1.75. Ju.

KALAMAZOO. Kalamazoo Gas Light Co. Ira A. Ransom, President, Treasurer and Superintendent. Edward Woodbury, Secretary. Price of gas, $1.00 to $1.70. V V H.

LANSING. *Lansing Gas Light Co. Capital stock, $125,000. O. M. Barnes, President. E. F. Cooley, Secretary, Treasurer and Superintendent. Price of gas, $1.80; fuel, $1.50. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

MANISTEE. *Manistee Gas Light and Coke Co. Capital stock, $35,000. Louis Sands, President. A. Magnan, Secretary and Treasurer. B. J. Stall, Superintendent. Price of gas, $2.00, $2.25 and $2.50. Operate United States incandescent electric system. (See Central Stations.)

MARQUETTE. Marquette Gas Light Co. Capital stock, $100,000. Peter White, President. C. H. Call, Secretary and Treasurer. Price of gas, $2.00. W H.

MARSHALL. The Marshall Light Co. S. T. Bodine, President. N. J. Frink, Secretary. E. C. Lee, Treasurer. A. G. Foy, Superintendent. Price of gas, $1.90 and $1.70; fuel, $1.50. S G.

MONROE. Monroe Gas Light Co. Capital stock, $40,000. J. M. Sterling, President and Superintendent. J. C. Sterling, Secretary. Benj. Dansord, Treasurer. Price of gas, $2.00, less 5 per cent. discount. Ju.

MUSKEGON. Muskegon Gas Light Co. Capital stock, $65,000. L. G. Mason, President. J. J. Howden, Secretary and Superintendent. James Clements, Treasurer. Price of gas, $1.25, $1.40, $1.60 and $1.80. V V H.

NEGAUNEE. Negaunee Gas Light Co. Capital stock, $20,000; all paid in. A. Maitland, President. M. A. Gibbs, Secretary and Treasurer. Annual meeting held in October. Price of gas, $1.50. N G.

NILES. Niles Gas Light Co. Capital stock, $40,000; paid in $37,900. W. R. Lacey, President. Worth Landon, Secretary. Chas. A. Johnson, Treasurer. J. J. Kirkham, Superintendent. Annual meeting held in March. Price of gas, $2.00; fuel, $1.25. W G.

OWASSO. Owasso Gas Light Co. Capital stock, $36,000. W. M. Kilpatrick, President. O. F. Webster, Secretary, Treasurer and Superintendent. Price of gas, $1.50. S G.

PONTIAC. L. R. Medbury Gas Works. Mr. L. R. Medbury, President. C. B. Lothroap, Vice-President. W. H. Morgans, Treasurer and Superintendent. Price of gas, $1.75 and $1.50. Z Z H.

PORT HURON. Port Huron Gas Light Co. Capital stock, $40,000. Henry Howard, President. Junius E. Beal, Secretary. H. G. Barnum, Treasurer. Joseph Walker, Superintendent. Price of gas, $2.00. S S H.

SAGINAW. Saginaw Gas Light Co. Capital stock, $65,300; all paid in. Alex. Smith, President. C. Neuendorf, Secretary and Superintendent. Annual meeting held in December. Price of gas, $1.80. S S H.

ST. JOHNS. St. Johns Mutual Gas Co. Capital stock, $25,000; all paid in. R. M. Steel, President. Geo. F. Marion, Vice-President. Geo. A. Wells, Secretary, Treasurer and Superintendent. Annual meeting held in May. Price of gas, $2.00. S G.

YPSILANTI. Ypsilanti Gas Co. S. L. Quirk, President. C. King, Vice-President. C. S. Wortley, Secretary and Treasurer. W. J. Bostwick, Superintendent. Annual meeting held in January. Price of gas, $2.00. S S H.

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MINNESOTA.

DULUTH. Duluth Gas and Water Co. Capital stock, $[illegible]00,000. R. L. Belknap, President. George C. Squires, Secretary. R. B. C. Bement, Treasurer. Wm. Craig, Superintendent. Price of gas, $2.50, from 10 to 25 per cent. discount. G 85.

FARIBAULT. *Faribault Gas Light Co. John Nelson, Lessee. A. M. Wilson, Superintendent. (See Central Stations.)

FERGUS FALLS. *Fergus Falls Gas and Electric Co. Capital stock, $115,000. James Campton, President. Andrew Erwin, Secretary and Superintendent. C. D. Wright, Treasurer. Price of gas, $2.50. Operate Heisler incandescent electric system. (See Central Stations.)

MANKATO. *Mankato Gas and Electric Light Co. Capital stock, $200,000. John F. Meagher, President. R. E. Brown, Secretary. George M Palmer, Treasurer. F. L. Watters, Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc and Heisler and Thomson-Houston incandescent electric systems. (See Central Stations.)

MINNEAPOLIS. Minneapolis Gas Light Co. Capital stock, $800,000; all paid in. Harvey W. Brown, President. A. T. Rand, Vice-President. W. H. Ewings, Secretary. R. R. Rand, Treasurer. Price of gas, $1.80. Ju.

RED WING. *Red Wing Gas and Electric Co. Capital stock, $65,000. T. B. Sheldon, President. Wm. H. Putnam, Secretary. J. C. Pierce, Treasurer. John Nelson, Superintendent. Price of gas, $1.50. Operate Fort Wayne arc and Westinghouse incandescent electric systems. (See Central Stations.)

ST. CLOUD. *St. Cloud Gas and Electric Co. Capital stock, $100,000; all paid in. C. S. Benson, President and General Manager. F. E. Searle, Vice-President and Treasurer. A. L. Crumb, Secretary. Annual meeting held in May. Price of gas, $2.50. Operate Westinghouse and Thomson-Houston electric systems. (See Central Stations.)

ST. PAUL. *St. Paul Gas Light Co. Henry H. Sibley, President. Cranford Livingston, Vice-President. Morgan Brooks, Secretary and Treasurer. B. F. Ellison, Superintendent. Price of gas, $2.00, 5 per cent. to 25 per cent. discount. Operate Thomson-Houston arc and Westinghouse incandescent electric systems. (See Central Stations.)

STILLWATER. *Stillwater Gas and Electric Co. Capital stock, $60,000. Isaac Staples, President. R. S. Davis, Secretary and Treasurer. Nils. N. Johnson, Superintendent. Price of gas, $1.90. Operate Excelsior arc and Westinghouse electric systems. (See Central Stations.)

WINONA. Winona Gas Light Co. Capital stock, $60,000. H. W. Lamberton, President. H. C. Bolcom, Secretary. James Palmer, Superintendent. Price of gas, $1.50 and $2.00. V G.

MISSISSIPPI.

COLUMBUS. Columbus Gas Light and Coke Co. Capital stock, $50,000. W. H. Sims, President. W. H. Lee, Secretary and Treasurer. Price of gas, $3.00. F 85.

GREENVILLE. Greenville Gas Light Co. Ju 75.

JACKSON. *Jackson Gas Light Co. Capital stock, $60,000. Judge S. S. Calhoun, President. F. W. Meeds, Secretary and Treasurer. Price of gas, $3.50. Operate Ft. Wayne arc and incandescent electric systems. (See Central Stations.)

MERIDIAN. Meridian Gas Light Co. Capital stock, $100,000; all paid in. J. S. Solomon, President. W. L. Fewell, Secretary and Treasurer. C. C. Browne, Superintendent. Price of gas, $1.50 to $2.00. R H.

NATCHEZ. *Natchez Gas Light Co. Capital stock, $71,150. L. B. Aldrich, President. Brittan & Koonz, bankers, Treasurer. J. J. Power, Superintendent. Price of gas, $3.00. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

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VICKSBURG. Vicksburg Ga Light Co. Capital stock, $135,000. C. K. Marshall, President. W. W. Allen, Secretary. E. S. Buttz, Treasurer. T. M. Caughlin, Superintendent. Price of gas, $3.00. W W G.

MISSOURI.

BOONVILLE. Boonville Gas Light Co. Capital stock, $100,000; paid in, $10,000. W. M. Williams, President. W. M. Hage, Vice-President. W. M. Lionberger, Secretary, Treasurer and Superintendent. Annual meeting held in April. Price of gas, $2.50, with discount. P P G.

CARTHAGE. Carthage Gas Co. H. D. Wood, President. M. L. Gray, Secretary and Treasurer. W. L. Carver, Superintendent. Price of gas, $2.50. S G.

CHILLICOTHE. *Chillicothe Water and Light Co. Capital stock, $250,000; all paid in. Lewis H. Chapman, President. Henry G. Seymour, Secretary, Treasurer and Superintendent. Annual meeting held in March. Price of gas, $2.25. Operate Western and Sperry electric systems. (See Central Stations.)

CLINTON. Clinton Gas, Coal and Coke Co. Capital stock, $50,000; all paid in. R. C. McBeth, President. E. L. Foote, Vice-President. C. S. Robinson, Secretary. Jas. M. Avery, Treasurer. J. T. Marsh, Superintendent. Annual meeting held in August. Price of gas, $2.00 to $2.50. V G.

COLUMBIA. Columbia Gas Light and Coke Co. Capital stock, $50,000. Sylvester Watts, President and Treasurer. Daniel Currie, Secretary and Superintendent. Price of gas, $2.50. F 85.

HANNIBAL. Hannibal Gas Light Co. Capital stock, $100,000. Chas. Parsons, President. Horatio D. Wood, Secretary and Treasurer. Chas. J. Lewis, Superintendent. Price of gas, $2.50, with discount. W H.

HUNTSVILLE. Huntsville Gas Light and Heating Co. W. T. Rutherford, President. J. A. Heether, Secretary, Treasurer and Superintendent. Ju.

INDEPENDENCE. Independence Gas and Coke Co. Capital stock, $75,000; all paid in. J. P. Alexander, President. L. P. Williamson, Vice-President. C. C. Chiles, Secretary. Wm. McCay, Treasurer. R. D. Wirt, Superintendent. Annual meeting held in February. Price of gas, $1.75 to $2.50. V G.

JEFFERSON CITY. *Jefferson City Light, Heat and Power Co. Capital stock, $100,000. N. N. Wagner, President. Charles E. Hess, Secretary, Treasurer and Superintendent. Price of gas, $2.25 and $2.50. Operate Excelsior arc electric system. (See Central Stations.)

JOPLIN. Joplin Gas and Coke Co. Capital stock, $30,000. Horatio D. Wood, President. R. E. Rombauer, Secretary and Treasurer. S. B. Glover, Jr., Superintendent. Price of gas, $2.50; fuel, $1.50. P P G.

KANSAS CITY. Kansas City Gas Light and Coke Co. Capital stock, $300,000; all paid in. M. J. Payne, President. Walter Woollcott, Secretary and Treasurer. Geo. A. Harper, Superintendent. Annual meeting held in May. Price of gas, $1.60 net. Z H.

LEXINGTON. Lexington Gas Light Co. Capital stock, $50,000. A. D. Cressler, President. R. B. Dickey, Secretary, Treasurer and Superintendent. Price of gas, $2.50. M M F.

LOUISIANA. *Carbon Light Co. John H. Lucas, President. Wm. T. Johnson, Secretary. S. C. Shaffner, Superintendent. Price of gas, $2.50; fuel, $2.00. Operate Thomson-Houston electric system. (See Central Stations.)

MARSHALL. Marshall Gas Light Co. Capital stock, $30,000; all paid in. J. Montgomery, Jr., President. Jno. R. Barrett, Vice-President. Thos. Boatright, Secretary, Treasurer and Superintendent. Annual meeting held in April. Price of gas, $2.00 and $2.50. P P G.

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MOBERLY. Moberly Gas Light Co. Capital stock, $100,000. George L. Hassett, Receiver. Price of gas, $2.00 to $2.50. Ju.

NEVADA. *Nevada Gas and Electric Light Co. Capital stock, $100,000; all paid in. W. P. Munroe, President. Jos. Harper, Superintendent. Annual meeting held in January. Price of gas, $2.00 to $2.25. Operate Thomson-Houston electric system. (See Central Stations.)

RICH HILL. Rich Hill Light, Heat and Power Co. Capital stock, $50,000; paid in, $25,000. Geo. P. Knapp, President. Thos. Irish, Vice-President and Superintendent. C. R. Walters, Secretary and Treasurer. Annual meeting held in May. Price of gas, $2.00; fuel, $1.00 to $1.50. P G.

SEDALIA. *Sedalia Gas Light Co. Capital stock, $75,000; all paid in. Jas. Green, President and Treasurer. Geo. R. Blackford, Secretary. Jas. Montgomery, Superintendent. Annual meeting held in March. Price of gas, $2.00, $2.25 and $2.50. Operate Westinghouse and Thomson-Houston electric systems as the Sedalia Electric Light and Power Co. (See Central Stations.)

SPRINGFIELD. *Springfield Gas Light Co. Capital stock, $100,000; all paid in. F Henning, President. J. S. Ambrose, Secretary. J. Gimper, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $2.50, with discounts. Operate Van Depoele and Thomson-Houston electric systems as the Springfield Electric Lighting Co. (See Central Stations.)

ST. CHARLES. St. Charles Gas Light and Coal Co. August Marten, President and Treasurer. Theodore Bruere, Secretary. M. Devine, Superintendent. Price of gas, $3.00. V G.

ST JOSEPH. St. Joseph Gas and Manufacturing Co. Capital stock, $500,000. Jno. W. Turner, President. J. H. Farrish, Secretary and Treasurer. K. M. Mitchell, Superintendent. Price of gas, $1.60. Z Z H.

ST LOUIS. Carondelet Gas Light Co. Capital stock, $250,000. Jno. R. Lionberger, President and Treasurer. Henry Ascott, Secretary and Superintendent. Price of gas, $2.00. F 85.

Laclede Gas Light Co. Capital stock, $2,500,000. Emerson McMillin, President. J. D. Thompson, Vice-President. Alex. Ross, Secretary. George M. Paschall, Treasurer. Fredric Egner, John B. Taylor, George C. Brown and George T. Thompson, Superintendents. Price of gas, $1.00 to $1.50. X X X H.

St. Louis Gas, Fuel and Power Co. Capital stock, $1,000,000. Dwight Tredway, President. James J. Davis, Secretary, Treasurer and Superintendent. Price of gas, $1.00. G 85.

TRENTON. Trenton Gas and Electric Light Co. Capital stock, $18,000. J. H. Shanklin, President. W. W. Hubbell, Secretary. W. E. Austin, Treasurer. John Shinn, Superintendent. Price of gas, $2.50. R H.

MONTANA

BUTTE CITY. Butte Gas Light and Coke Co. Capital stock, $100,000; paid in, $50,000. A. H. Barret, President. John Noyes, Vice-President. A. J. Davis, Jr., Secretary and Treasurer. W. W. Cook, Superintendent. Annual meeting held in May. Price of gas, $3.00. V G.

GREAT FALLS. *Great Falls Electric Light and Gas Co. Capital stock, $50,000. Ira Meyers, President. E. J. Hooker, Secretary and Treasurer. E. W. King, Superintendent. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

HELENA. Helena Gas Light and Coke Co. Capital stock, $100,000. C. W. Cannon, President. H. L. Walker, Secretary and Treasurer. C. M. Williams, Superintendent. Price of gas, $2.50. W H.

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NEBRASKA.

BEATRICE. Beatrice Gas Co. Capital stock, $50,000; all paid in. Albert S. Maxwell, President. Geo. L. Maxwell, Vice-President. Ed. P. Maxwell, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.25 to $2.00. P G.

FREMONT. *Fremont Gas and Electric Light Co. Capital stock, $50,000; all paid in. C. D. Jones, President. C. Christensen, Vice-President. W. L. Freeman, Secretary. S. Harvey, Treasurer. George Payne, Superintendent. Price of gas, $3.00, with discount. Operate American and Westinghouse electric systems. (See Central Stations.)

GRAND ISLAND. Grand Island Gas Co. Capital stock, $50,000. John L. Means, President. Albert S. Maxwell, Secretary and Treasurer. Chas. Grassick, Superintendent. Price of gas, $1.25. S G.

HASTINGS. Hastings Gas Light Co. Capital stock, $60,000; all paid in. L. Patterson, President. H. B. Knowlton, Vice-President. Jno. Van Liew, Secretary. S. R. Patterson, Treasurer. H. A. Patterson, Superintendent. Price of gas, $2.10. V G.

KEARNEY. Kearney Gas Co. Capital stock, $50,000; paid in, $30,000. Albert S. Maxwell, President. George L. Maxwell, Secretary and Superintendent. Ed. P. Maxwell, Treasurer. Annual meeting held in January. Price of gas, $1.25 to $2.00. V G.

LINCOLN. Lincoln Gas Co. Capital stock, $325,000; paid in, $165,000. H. J. Walsh, President and Treasurer. Geo. M. Walsh, Secretary. Wm. Lawlor, Superintendent. Annual meeting held in January. Price of gas, $2.00. W H.

NEBRASKA CITY. Nebraska City Gas Light Co. Capital stock, $50,000. E. McMillin, President. Geo. T. Thompson, Secretary. C. D. Strong, Treasurer and Superintendent. Price of gas, $2.50. F 85.

OMAHA. Omaha Gas and Manufacturing Co. Capital stock, $500,000. Frank Murphy, President. George E. Baker, Secretary. Isaac Battin, Treasurer and Superintendent. Price of gas, $1.50, $1.75, $2.00. H 85.

PLATTSMOUTH. *Plattsmouth Gas and Electric Light Co. Capital stock, $20,000. J. G. Richers, President. C. D. Jones, Secretary. S. B. Hone, Treasurer. J. M. John, Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

NEVADA.

CARSON CITY. Carson City Coal Gas Co. Capital stock, $75,000. George Tufly, President. T. J. Edwards, Secretary. Bullion and Exchange Bank, Treasurer. N. Wylie, Superintendent. Price of gas, $6.00. S S H.

RENO. Reno Water, Land and Light Co. Capital stock, $300,000. P. C. Powning, President. J. F. Emmitt, Secretary and Superintendent. Bank of Nevada, Treasurer. Price of gas, $4.00. Ju.

VIRGINIA CITY. Virginia City Gas Light Co. Chas. E. Paxton, President and Treasurer. M. C. Osborne, Secretary and Superintendent. Price of gas, $6.50; discount. G 85.

WINNEMUCCA. Winnemucca Gas Co. Neth & Busch, Proprietors. Ju

NEW HAMPSHIRE.

CLAREMONT. Claremont Gas Light Co., owned by Monadnock Mills. D. W. Johnson, President. F. P. Vogl, Treasurer. Price of gas, $2.25 and $2.50. Z H.

CONCORD. *Concord Gas Light Co. Capital stock, $125,000; all paid in. John Kimball, President. Edgar H. Woodman, Treasurer. Wm. Badger, Superintendent.

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Annual meeting held in September. Price of gas, $2.00 and $1.80. Operate Thomson-Houston electric system. (See Central Stations.)

DOVER. Dover Gas Light Co. Capital stock, $75,000; all paid in. Eli V. Brewster, President and Vice-President. T. B. Garland, Secretary and Treasurer. W. T. Sanborn, Superintendent. Annual meeting held in January. Price of gas, $1.80. V G.

GREAT FALLS. Great Falls Gas Light Co. Capital stock, $47,500; all paid in. J. H. Nichols, President. H. S. Close, Secretary, Treasurer and Superintendent. Annual meeting held in May. Price of gas, $1.50 to $2.25. V G.

HANOVER. Hanover Gas Light Co. Capital stock, $12,000. J. W. Patterson, President. George W. Hitchcock, Secretary and Treasurer. Price of gas, $10.00. P F.

KEENE. *Keene Gas Light Co. Capital stock, $36,000. John Henry Elliott, President, G. M. Rossman, Treasurer and Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc electric system. (See Central Stations.)

LACONIA. Laconia Gas Light Co. Capital stock, $16,100; all paid in. John C. Moulton, President. Geo. B. Larr, Secretary, Treasurer and Superintendent. Annual meeting held in July. Price of gas, $5.00. M M F.

MANCHESTER. *People's Gas Light Co. J. B. Varick, President. Walter G. Africa, Secretary and Superintendent. W. L. Elkins, Treasurer. Price of gas, $1.40. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

NASHUA. *Nashua Light, Heat and Power Co. Capital stock, $200,000. F. N. Estabrook, President. J. A. Tolles, Secretary. A. M. Norton, Treasurer. F. W. Norton, Superintendent. Annual meeting held in July. Price of gas, $1.40. Operate Thomson-Houston electric system. (See Central Stations.)

PORTSMOUTH. *Portsmouth Gas Light Co. Capital stock, $142,000. John Sise, President. Frank J. Philbrick, Secretary and Treasurer. Thomas R. Martin, Superintendent. Price of gas, $2.50, 10 per. cent. discount. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

ROLLINSFORD. Salmon Falls Manufacturing Co. William G. Meames, President. George H. Edwards, Secretary and Treasurer. O. S. Brown, Agent. X H.

NEW JERSEY.

ARLINGTON. Arlington Gas Light Co. J. W. Edwards, President. W. L. Stewart, Secretary. J. Q. Stearns, Treasurer. S. D. Smith, Superintendent. Ju.

ASBURY PARK. Asbury Park Gas Co. Capital stock, $150,000. George H. Fletcher, President and Treasurer. James W. Hodges, Secretary. Price of gas, $2.00. G 85.

ATLANTIC CITY. *Atlantic City Gas and Water Co. Capital stock, $200,000. Joseph H. Barstow, President. Thomas K. Reed, Secretary. Chas. Evans, Treasurer. Price of gas, $1.50. Operate Thomson-Houston arc electric system. (See Central Stations.)

BERGEN POINT. Bergen Point, Bayonne and Greenville Gas Light Co. Solon Humphries, President. W. W. Dashiel, Secretary. W. H Smith, Superintendent. Price of gas, $2.00, with discount. Ju.

BELVIDERE. *Belvidere Gas and Electric Light Co. Operate Schuyler arc electric system. (See Central Stations.)

BLOOMFIELD. Montclair Gas and Water Co. J. J. H. Love, President. Wm. H. Baldwin, Secretary and Treasurer. John Cransbrook, Superintendent. W H.

BORDENTOWN. Bordentown Gas Light Co. Capital stock, $50,000; all paid in. M. Hutchinson, President. J. O. Hudson, Vice-President and Superintendent. Newton M. Potts, Secretary and Treasurer. Annual meeting held in June. Price of gas, $2.00. V V H.

BRIDGETON. Bridgeton Gas Light Co. Capital stock, $50,000; paid in, $31,000. Jonathan Elmer, President. Wm. C. Mulford, Secretary. B. F. Harding, Treasurer and Superintendent. Annual meeting held in July. Price of gas, $1.20 to $1.50. S S H.

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BURLINGTON. Burlington Gas Light Co. Capital stock, $55,000. Richard F. Mott, President. F. C. Woolman, Secretary. Joshua Taylor, Treasurer. Edwin Morris, Superintendent. Price of gas, $2.00. V G.

CAMDEN. Camden Gas Light Co. Capital stock, $300,000. B. F. Archer, President. Chas. Watson, Secretary and Treasurer. W. G. Hafty, Superintendent. Price of gas, $1.50. W H.

CAPE MAY. Cape Island Gas Co. Capital stock, $80,000. Thomas M. Ferrell, President. S. W. Van Syckel, Secretary. T. J. Melvin, Treasurer and Superintendent. Price of gas, $2.75. Ju.

ELIZABETH. Elizabethtown Gas Light Co. Capital stock, $300,000. John Kean, President. Frederick A. Price, Secretary. Julian H. Kean, Treasurer. Francis Engel, Superintendent. Price of gas, $1.75. Z H.

Metropolitan Gas Light Co. Capital stock, $350,000. Chas. G. Francklyn, President. Wm. F. Van Pelt, Secretary. Wm. M. Oliver, Treasurer. Henry Mactier, Superintendent. Price of gas, $1.50. Ju.

ENGLEWOOD. Bergen County Gas Light Co. Capital stock, $50,000; all paid in. H. W. Banks, President. B. Drake Smith, Secretary and Treasurer. S. F. Gold, Superintendent. Annual meeting held in December. Price of gas, $2.80. Ju.

FLEMINGTON. Flemington Gas Light Co. Capital stock, $10,000. John B. Hopewell, President and Superintendent. C. C. Dunham, Secretary and Treasurer. Price of gas, $2.50 to $3.00. Ju.

FREEHOLD *Freehold Gas Light Co. Capital stock, $30,000; all paid in. Chas. A. Bennett, President, Secretary and Superintendent. Annual meeting held in January. Price of gas, $2.90. Operate Edison electric system as the Freehold Electric Light Co. (See Central Stations.)

GLOUCESTER. Gloucester Gas Light Co. Capital stock, $60,000. Samuel R. Shipley, President. James P. Michellon, Secretary. Henry B. Chen, Treasurer. Annual meeting held in August. Price of gas, $2.00. V G.

HARRISON. East Newark Gas Light Co. Capital stock, $60,000. Edward H. Wright, President. Eugene Vanderpool, Secretary. John I. Young, Treasurer. Price of gas, $1.59. Ju.

HOBOKEN. Hudson County Gas Light Co. S. B. Dod, President and Treasurer. C. B Seward, Superintendent. Price of gas, $2.00. Z H.

Consumers Gas Co. Capital stock, $2,000,000. Chas. Place, President and Treasurer. R. W. Elliott, Secretary. J. N. Rusky and J. E. Nute, Superintendents. Price of gas, $1.75. Ju.

Jersey City Gas Light Co. Capital stock, $750,00. Thomas Earle, President. Freeman A. Smith, Secretary and Treasurer. J. M. Rusby and J. E. Nute, Superintendents. Price of gas, $1.75. Ju.

People's Gas Light Co. Capital stock, $550,000. I. Morris Perot, President. Edwin R. Case, Secretary and Treasurer. J. Rusby and J. E. Nute, Superintendents. Price of gas, $1.75. Z Z H.

LAMBERTVILLE. Lambertville Gas Light Co. Capital stock, $30,000; all paid in. J. S. Studdiford, President. G. Lambert, Secretary. Wm. V. Cooley, Treasurer. A. C. Gandey, Superintendent. Annual meeting held in April. Price of gas, $2.25. S G.

LONG BRANCH. *Long Branch Gas Light Co. Capital stock, $100,000. Harrison E. Gawtry, President. C. Henry Irwin, Secretary. George N. Curtis, Treasurer. Chas. J. Luther, Superintendent. Price of gas, $1.85. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

MATAWAN. Matawan and Keyport Gas Light Co. Capital stock, $45,000. T. S. R. Brown, President. J. H. Horner, Secretary and Treasurer. Price of gas, $3.00. S S H.

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MILLVILLE. Millville Gas Light Co. Capital stock, $40,000. Francis Reeves, President. Walter Wood, Treasurer. Reuben Meredith, Superintendent. Price of gas, $2.00, less discount. Ju.

MORRISTOWN. Morristown Gas Light Co. Capital stock, $40,000; all paid in. Henry W. Miller, President. Edward Pierson, Secretary and Treasurer. Wm. B. Durfee, Superintendent. Annual meeting held in May. Price of gas, $2.00; public buildings, $1.80. V V H.

MOUNT HOLLY. Mount Holly Gas Light Co. Capital stock, $20,000; all paid in. Wm. Budd Deacon, President. Henry C. Risdon, Secretary and Treasurer. John Temple, Superintendent. Annual meeting held in April. Price of gas, $2.25, with 5 per cent. discount. R H.

NEWARK. The Citizens' Gas Light Co. Capital stock, $1,000,000; all paid in. Andrew K. Smalley, President. Stephen H. Candick, Vice-President. C. L. Nelson, Secretary. R. B. Hathorn, Treasurer. Alex. H. Strecker, Superintendent. Annual meeting held in January. Price of gas, $1.50 net. Z Z H.

Newark Gas Co. Capital stock, $1,000,000; all paid in. Eugene Vanderpool, President and Superintendent. Ira M. Harrison, Vice-President. James P. Dusenbery, Secretary. John I. Young, Treasurer. Annual meeting held in June. Price of gas, $2.00. X X H.

NEW BRUNSWICK. New Brunswick Gas Light Co. Henry Richmond, President. John W. Newell, Secretary and Superintendent. J. R. Palmer, Treasurer. Price of gas, $2.00. W H.

NEWTON. Newton Gas Light Co. Capital stock, $30,000. Alfred F. Fellows, President. Francis J. Swayze, Secretary and Treasurer. Franklin Smith, Jr., Superintendent. Price of gas, $2.50 to $3.00. P P G.

PASSAIC. Passaic City Gas Light Co. John A. Willett, President. Jas. A. Norton, Secretary. A. W. Shaw, Treasurer. Frank Jones, Superintendent. Price of gas, $2.00. V G.

PATERSON. Paterson Gas Light Co. Capital stock, $275,000. John Reynolds, President and Treasurer. Robert Schoonmaker, Secretary. W. L. Williams, Superintendent. Price of gas, $2.00, with discount. Ju.

People's Gas Light Co. Capital stock, $200,000. James Bell, President. H. G. Runkle, Secretary and Treasurer. W. L. Williams, Superintendent. Price of gas, $2.00, less discount. Ju.

PERTH AMBOY. Perth Amboy Gas Co. Capital stock, $65,000. William Hall, President and Treasurer. Milton A. Brown, Secretary and Superintendent. Price of gas, $2.25. S G.

PHILLIPSBURG. Warren County Gas Light Co. Capital stock, $25,000; paid in, $22,000. John Franks, President. David Mixsell, Secretary and Treasurer. Valentine Weaver, Superintendent. Price of gas, $1.50. S S H.

PLAINFIELD. Plainfield Gas Light Co. Capital stock, $100,000. E. R. Pope, President. P. Bronson, Secretary. H. G. Runkle, Treasurer and Superintendent. Price of gas, $2.25. V V H.

PRINCETON. Princeton Gas Light Co. Capital stock, $50,000; all paid in. J. Stillwill Schenck, President. Crowell Marsh, Secretary and Treasurer. Ignatz Hoff, Superintendent. Price of gas, $2.70. S S H.

RAHWAY. Rahway Gas Light Co. Capital stock, $124,800; all paid in. J. R. Shotwell, President and Treasurer. R. B. Vail, Secretary and Superintendent. Price of gas, $2.00. W H.

RED BANK. Red Bank Gas Light Co. Capital stock, $50,000; paid in, $27,000. J. A. Throckmorton, President. Fred. W. Hope, Secretary. John S. Applegate, Treasurer. J. S. Hubbard, Superintendent. Annual meeting held in July. Price of gas, $2.00. S S H.

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SALEM. Salem Gas Light Co. Capital stock, $30,000. M. P. Grey, President. F. M. Acton, Secretary. W. G. Tyler, Treasurer. Sam'l Scott, Superintendent. Price of gas, $1.80. P P G.

SEA ISLE CITY. *Sea Isle City Gas, Water and Sewerage Co. John Schwinghammer, President. F. F. Hogate, Secretary. Chas. Barton, Treasurer. Operate Edison electric system. (See Central Stations.)

SOMERVILLE. Somerville and Raritan Gas Light Co. Capital stock, none. J. T. Sawyer, Owner. F. Vanderveer, Superintendent. Price of gas, $2.00. Ju.

TRENTON. Trenton Gas Light Co. Capital stock, $358,280. Lewis Parker, President. John S. Chambers, Secretary and Treasurer. Sam'l L. Carlisle and Patrick Burns, Superintendents. Price of gas, $2.00. Consolidated with the City Gas Light Co. Z Z H.

VINELAND. Vineland Gas Co. John R. Farnum, Proprietor. Fred. Barnes, Superintendent. Price of gas, $2.00 to $2.75. Ju.

WOODBURY. *Consumers' Gas Co. Capital stock, $50,000. Dr. H. C. Clark, President. C. W. Starr, Secretary and Treasurer. George W. Curtis, Superintendent. Price of gas, $1.90. Operate Thomson-Houston arc electric system. (See Central Stations.)

NEW MEXICO.

ALBUQUERQUE. Albuquerque Gas Co. Capital stock, $100,000. John L. Schoolcraft, President. W. L. Corbin, Secretary. Price of gas, $2.50 to $3.50. F 85.

LAS VEGAS. Las Vegas Gas and Coke Co. Capital stock, $100,000. Jacob Gross, President. M. S. Hart, Secretary and Superintendent. Emanuel Rosenwald, Treasurer. Price of gas, $2,00. V G.

SANTE FE. Sante Fe Gas Co. Capital stock, $100,000. Abraham Staab, President. Chas. L. Bishop, Secretary. Rufus J. Palen, Treasurer. Thomas Littlehales, Superintendent. Price of gas, $3.00. V G.

NEW YORK.

ALBANY. Municipal Gas Light Co. Capital stock, $1,500,000. Anthony N. Brady, President. John E. McElroy, Secretary and Treasurer. Walter A. Allen, Superintendent. Price of gas, $2.00. X X X H.

ALBION. Albion Gas Light Co. Capital stock, $40,000; all paid in. Robert Campbell, President. E. T. Coann, Secretary, Treasurer and Superintendent. Annual meeting held in June. Price of gas, $3.00. P P G.

AMSTERDAM. Chucatanunda Gas Light Co. Capital stock, $50,000; all paid in. S. Sanford, President. John Kellogg, Vice-President. Davis W. Shuler, Secretary. D. D. Cassidy, Treasurer. James H. Ward, Superintendent. Annual meeting held in April. Price of gas, $2.00. V V H.

ATTICA. The Attica Water Co. Capital stock, $60,000; all paid in. Chas. E. Loomis, President. Fred. C. Stevens, Vice-President. Geo. T. Loomis, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $2.50. S G.

AUBURN. Auburn Gas Light Co. Capital stock, $100,000. E. H. Avery, President. D. M. Dunning, Secretary, Treasurer and Superintendent. Price of gas, $1.00 to $1.80. Y H.

BATAVIA. *Consolidated Gas and Electric Co. Capital stock, $100,000; all paid in S. D. Purdy, President. Henry Craft, Vice-President. C. H. Caldwell, Secretary and Treasurer. A. Wyness, Jr., Superintendent. Annual meeting held in January. Price of gas, $1.60; fuel, $1.00. Operate Brush, Waterhouse, Jenney and Westinghouse electric systems. (See Central Stations.)

BATH. Bath Gas Co. Capital stock, $25,000; all paid in. N. E. Sissen, President. Wm. McDonald, Secretary and Treasurer. Wm. H. Scrafford, Superintendent. Annual meeting held in February. Price of gas, $2.00 and $2.50. P P G.

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BAYSHORE. Mutual Gas Light Co. (Bayshore and Islip). Capital stock, $100,000; all paid in. J. T. Bruen, President. E. I. Frost, Secretary and Treasurer. J. H. Golding, Superintendent. Price of gas, $2.00. Ju.

BINGHAMTON. *Binghamton Gas and Electric Co. Capital stock, $300,000. Jas. W. Manier, President. John Anderson, Secretary. W. G. Phelps, Treasurer and General Manager. Price of gas, $2.00, with discount. Operate Brush arc and Westinghouse incandescent electric systems. (See Central Stations.)

BROCKPORT. Brockport Gas Light Co. Capital stock, $25,000. Isaac Palmer, President. Fred. Palmer, Secretary, Treasurer and Superintendent. Price of gas, $2.00. S S H.

BROOKLYN. Brooklyn Gas Light Co. Capital stock, $2,000,000. Henry K. Sheldon, President. E. Storer, Secretary and Treasurer. C. C. Coggeshall, Superintendent. Price of gas, $1.60. W H.

Citizens' Gas Light Co. Capital stock, $1,200,000. Sam'l E. Howard, President. S. F. Tudor, Secretary. W. T. Halsey, Asst. Treasurer. Thos. E. Byrne, Superintendent. Price of gas, $1.60. Ju.

Fulton Municipal Gas Co. Capital stock, $3,000,000; paid in, $2,100,000. James H. Jourdan, President and Superintendent. Walter K. Rossiter, Secretary and Treasurer. Annual meeting held in April. Price of gas, $1.60. Ju.

Metropolitan Gas Light Co. Capital stock, $870,000. Chas. H. Stoddard, President and Treasurer. A. F. Staniford, Secretary. Thos. Redfern, Superintendent. Price of gas, $1.60. Ju.

Nassau Gas Light Co. Capital stock, $2,000,000; paid in, $1,000,000. H. P. Morgan, President. S. T. White, Secretary. F. S. Benson, Engineer. Price of gas, $1.60. Ju.

People's Gas Light Co. Capital stock, $1,000,000; all paid in. Edwin Ludlam, President. Wm. Marshall, Vice-President. E. D. Mitchell, Secretary. Wm. Peet, Treasurer. C. L. Gerauld, Superintendent. Annual meeting held in November. Price of gas, $1.60, with 5 to 10 per cent. discount. Ju.

Union Gas Light Co. Capital stock, $250,000. Samuel J. Young, President. Miles A. Brown, Secretary and Treasurer. Price of gas, $2.00. Ju.

Williamsburgh Gas Light Co. Capital stock, $1,000,000. Henry Steers, President. C. W. Blodget, Secretary and Treasurer. C. A. Cross, Superintendent. Price of gas, $1.60. X H.

BUFFALO. Citizens' Gas Co. Capital stock, $300,000. J. F. Schoellkoff, President. Peter P. Miller, Secretary and Treasurer. John T. Herron, Superintendent. Price of gas, $1.25 and $1.30. Z H.

Buffalo Mutual Gas Light Co. Capital stock, $750,000. J. M. Richmond, President. C. K. Remington, Secretary. J. H. Cowing, Treasurer. George Fullerton, Superintendent. Price of gas, $1.25. Y H.

Buffalo Gas Light Co. Capital stock, $1,000,000; all paid in. Elbridge G. Spaulding, President and Treasurer. Joseph Krumholz, Secretary and Superintendent. Price of gas, $1.50 gross and $1.30 net. X X H.

CANANDAIGUA. *Canandaigua Gas Light Co. Capital stock, $50,000. M. D. Munger, President. Alfred Denbow, Secretary and Treasurer. L. C. North, Superintendent. Price of gas, $3.00. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

CATSKILL. Catskill Gas Light Co. Capital stock owned in partnership (not incorporated). E. A. Chase, President. M. B. Mattice, Secretary and Treasurer. Thos. Walsh, Superintendent. Price of gas, $2.00 to $3.00.

CLIFTON SPRINGS. *Clifton Springs Sanitarium Co. Capital stock, $25,000. Henry G. Foster, Secretary, Treasurer and Superintendent. Price of gas, $2.50. Operate Fuller arc electric system. (See Central Stations.)

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CLYDE. Clyde Gas Light Co. H. B. Stevens, President, Secretary and Treasurer. George Tuff, Superintendent. Ju.

COHOES. *Cohoes Gas Light Co. D. J. Johnson, President. W. E. Thorn, Secretary and Treasurer. D. H. Van Suken, Superintendent. Price of gas, $2.00. Operate Thomson-Houston and Remington electric systems. (See Central Stations.)

COLLEGE POINT. College Point Gas Co. Capital stock, $10,000; all paid in. F. Achelis, President. Wm. Weitling, Secretary. A. D. Schlessinger, Treasurer. F. Martens, Superintendent. Annual meeting held in March. Price of gas, $1.00, $2.00 and $2.50. Ju.

COOPERSTOWN. *Cooperstown Light and Power Co. Capital stock, $50.000. E. W. Howell, President. Elmer Blair, Secretary. D. Farlin, Treasurer. J. S. Brady, Superintendent. Price of gas, $6.00. Operate Edison electric system. (See Central Stations.)

CORNING. *Corning Gas Co. Capital stock, $100,000; all paid in. L. C. Kingsbury, President. C. S. Cole, Secretary. F. D. Kingsbury, Treasurer. R. E. Cole, Superintendent. Annual meeting held in August. Price of gas, $2.00. Operate Thomson-Houston electric system. (See Central Stations.)

CORTLAND. Homer and Cortland Gas Light Co. Austin C. Wood, President. J. W. Truesdell, Secretary and Treasurer. Chas. E. Truesdell, Superintendent. Price of gas, $2.00. V G.

DANSVILLE. Dansville Gas Light Co. Capital stock, $25,000. J. B. Morey, President. T. B. Grant, Secretary. Price of gas, $3.50 and $4.00. Ju.

DOBB'S FERRY. Dobb's Ferry and Hastings Gas Co. Capital stock, $50,000; paid in, $5,550. J. J. Telanor, President. Dr. C. H Judson, Vice-President. J. B. Bonnett, Secretary and Treasurer. Annual meeting held in March. Price of gas, $2.00. Ju.

DUNKIRK. Dunkirk Gas Light Co. Capital stock, $50,000. E. C. Perry, President and Superintendent. C. D. Armstrong, Secretary. H. D. Jarvis, Treasurer. Price of gas, $2.00. V G.

EAST ALBANY. East Albany Gas Light Co. Capital stock, $50,000. F. A. Sabaton, President. Paul A. Sabaton, Secretary and Treasurer. Price of gas, $2.50. Also operate East Albany Gas Light Co., at Greenbush, which operates Westinghouse incandescent electric system. V G.

ELLENVILLE. Ellenville Gas Light Co. Chauncey Hube, President. Wm. M. Murry, Secretary. C. J. Everett, Treasurer. L. W. Hube, Superintendent. Price of gas, $2.00 to $2.50. Ju.

ELMIRA. *Elmira Gas and Illuminating Co. Capital stock, $150,000. Chas. J. Langdon, President. Platt V. Bryan, Secretary. H. M. Arnot, Treasurer. Chas. Ditman, Superintendent. Price of gas, $1.70 and $1.80 net. Operate Schuyler arc electric system. (See Central Stations.)

FISHKILL. Fishkill and Matteawan Gas Light Co. Robert F. Mullins, Lessee. W. H. Hayden, Superintendent. P P G.

FLATBUSH. Flatbush Gas Light Co. John J. Vanderbilt, President. A. I. Ditmas, Secretary. John Lefferts, Treasurer. W. A. Armington, Superintendent. Price of gas, $2.00. Ju.

FLUSHING. Flushing Gas Light Co. Capital stock, $41,000; all paid in. James B. Brewster, President. R. S. Tucker, Secretary. C. A. Willets, Jr., Treasurer and Superintendent. Annual meeting held in October. Price of gas, $2.25. V V H.

FORT PLAIN. *Fort Plain Gas, Electric Light, Heat and Power Co. Capital stock, $31,000. E. W. Wood, President. Andrew Dunn, Secretary, Treasurer and Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc electric system. (See Central Stations.)

GENESEO. Geneseo Gas Light Co. Capital stock, $16,000; all paid in. Jas. S. Orton,

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President. Theo. F. Olmsted, Secretary, Treasurer and Superintendent. Annual meeting held in June. Price of gas, $2.00. P P G.

GENEVA. Geneva Gas Light Co. Capital stock, $36,250. Phineas Prouty, President. Andrew L. Chew, Secretary and Treasurer. Samuel S. Graves, Superintendent. S G.

GLENS FALLS. *Glens Falls Gas Light Co. Capital stock, $50,000; paid in, $22,500. James Ordway, President. F. A. Sabbaton, Vice-President. E. T. Johnson, Secretary and Treasurer. H. A. Brooks, Superintendent. Annual meeting held in May. Price of gas, $1.50 to $3.00. Operate American electric system. (See Central Stations.)

HAVERSTRAW. Haverstraw Gas Light Co. Osborne & Williams. Price of gas, $4.00. Ju.

HEMPSTEAD. *Hempstead Gas Light Co. Capital stock, $25,000. John Nix, President. P. J. A. Harper, Secretary and Treasurer. Stephen Powell, Superintendent. Price of gas, $3.00. Operate Thomson-Houston incandescent electric system. (See Central Stations.)

HERKIMER. Herkimer Gas Light Co. Capital stock, $35,000; all paid in. A. M. Sutherland, President. W. P. Munson, Superintendent. Annual meeting held in October. Price of gas, $2.00. Ju.

HOOSICK FALLS. Hoosick Falls Gas Light Co. Capital stock, $30,000; all paid in. Walter P. Warren, President. Chas. A. Cheney, Vice-President and Secretary. Willard P. Parsons, Treasurer and Superintendent. Price of gas, $2.00. S S H.

HORNELLSVILLE. Hornellsville Gas Light Co. Avery McDougall, Manager. Price of gas, $2.00. S G.

HUDSON. *Hudson Light and Power Co. Capital stock, $150,000; all paid in. A. W. Rice, President. W. H. Miller, Vice-President. E. C. Rowley, Secretary and Treasurer. Jas. B. McGiffert, Superintendent. Annual meeting held in January. Price of gas, $2.00. Operate Thomson-Houston electric system. (See Central Stations.)

ILION. Ilion and Mohawk Gas Light Co. Capital stock, $30,000; all paid in. Thos. Ringwood, President. John Hoefler, Vice-President. John V. Schmidt, Secretary. Chas. W. Carpenter, Treasurer. John A. Giblin, Superintendent. Annual meeting held in December. Price of gas, $2.50 and $2.25. G 85.

JAMAICA. Jamaica Gas Light Co. Capital stock, $40,000; all paid in. Geo. Skidmore, President. F. M. Jaggen, Secretary. Geo. Carpenter, Treasurer J. T. Watts, Superintendent. Annual meeting held in September. Price of gas, $2.50. Ju.

JAMESTOWN. Jamestown Gas Co. Capital stock, $100,000. F. P. Hayes, President. Wm. H. Filter, Secretary. Francis Henry, Treasurer. Jno. R. Drum, Superintendent. Price of gas, $1.00 to $1.50. Ju.

JOHNSTOWN. *Johnstown and Gloversville Gas Co. Capital stock, $150,000. H. Levis, President. D. Paton, Secretary. E. C. Lee, Treasurer. John Lorenz, Superintendent. Annual meeting held in July. Price of gas, $2.00; fuel, $1.50. Operate Heisler electric system. (See Central Stations.)

LE ROY. *Le Roy Gas Light Co. Capital stock, $25,000. D. J. Bissell, President. J. C. Bissell, Secretary, C. F. Bissell, Treasurer. Price of gas, $3.00. Operate Edison electric system. (See Central Stations.)

LITTLE FALLS. *Little Falls Gas Light Co. Capital stock, $50,000. Wm. Henry White, President. V. S. Watrous, Secretary and Treasurer. M. J. Leyden, Superintendent. Price of gas, $2.00. Operate Edison electric system. (See Central Stations.)

LOCKPORT. Lockport Gas Light Co. Capital stock, $100,000. T. T. Flagler, President. Jesse Peterson, Secretary. H. J. Chadwick, Treasurer and Superintendent. Price of gas, $1.75. W H.

LONG ISLAND CITY. East River Gas Light Co. Capital stock, $200,000. Wm. Steinway, President. Chas. A. Kittle, Secretary, Treasurer and Superintendent. Price of gas, $2.00. W H.

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LYONS. Lyons Gas Light Co. Capital stock, $12,800; all paid in. Saxon B. Gairtts, President and Vice-President. Burton Hammond, Secretary. Wm. S. Garitt, Treasurer. Geo. F. Sturgis, Superintendent. Annual meeting held in January. Price of gas, $2.50. P P G.

MALONE. Malone Gas Light Co. Capital stock, $20,000. J. H. Findlay, Lessee. Price of gas, $2.00. M G.

MEDINA. Medina Gas Light Co. In hands of a Receiver.

MIDDLETOWN. Middletown Gas and Electric Light Co. Capital stock, $110,000. Wm. Fellows Morgan, President. H. K. Wilcox, Secretary and Treasurer. John R. Todd, Superintendent. Price of gas, $1.90 and $2.25. Ju.

MOUNT VERNON. East Chester Gas Co. Chas. Nettleton, President. Philip Lucas, Secretary, Treasurer and Superintendent. Price of gas, $1.60. S S H.

NEWBURGH. Consumers' Gas Co. Capital stock, $200,000; all paid in. John C. Adams, President. O. H. Lawrence, Vice-President. Benj. J. Macdonald, Secretary and Treasurer. Annual meeting held in April. Price of gas, $2.50, with discount. Ju

NEW ROCHELLE. New Rochelle Gas and Fuel Co. Capital stock, $225,000. Chas C. Van Benschoten, President. T. T. M. Webster, Secretary. W. C. Van Benschoten, Treasurer. Isaac L Corwin, Superintendent. Price of gas, $2.50, less 10 per cent. Ju.

NEW YORK CITY. Consolidated Gas Co. Capital stock, $35,000,000. James K. Smith President. J. K. Lees and O. Zollikoffer, Vice-Presidents. O. Zollikoffer, Secretary. H. E. Gantry, Treasurer. Wm. H. Bradley, Chief Engineer. Price of gas, $1.25. Ju.

Equitable Gas Light Co. Capital stock, $4,000,000. R. M. C. Graham, President. H Keene, Secretary. J. D. Vermilye, Treasurer. E. J. Enfer, Superintendent. Price of gas, $1.25. Ju.

Mutual Gas Light Co. Capital stock, $3,500,000. John P. Kennedy, President. Arthur Leary, Vice-President. Wm. C. Besson, Secretary. Henry F. Allen, Superintendent. Price of gas, $1.25. Ju.

Central Gas Light Co. Capital stock, $500,000; all paid in. Wm. R. Beal, President and Manager. Amos Hadley, Secretary. S. D. Gifford, Treasurer. Price of gas, $1.60, with 10 per cent. discount. Ju.

Northern Gas Light Co. Capital stock, $500,000. Chas. W. Bothgate, President. John S. Bush, Secretary, Treasurer and Superintendent. Price of gas, $1.60. Ju.

Standard Gas Light Co. Capital stock, $10,000,000. W. C. Andrews, President. Ferdinand McKeige, Secretary. O. P. Shaffer, Treasurer. Joseph Flannery, Chief Engineer. Price of gas, $1.25. Ju.

NIAGARA FALLS. Niagara Falls Gas Light Co. S. M. N. Whitney, President. A. W. R. Henning, Secretary and Treasurer. L. A. Boore, Superintendent. Price of gas, $2.20.

NORWICH. *Norwich Light and Power Co. Capital stock, $50,000. Dudley Farlin, President. Elmer Blair, Secretary and Treasurer. Jas. H. Throop, Superintendent. Price of gas, $2.50. Operate Schuyler arc and Westinghouse incandescent electric systems. (See Central Stations.)

NYACK. Nyack and Warren Gas Light Co. Capital stock, $85,000; all paid in. Wm. L. Voorhis, President and Treasurer. H. M. Storms, Vice-President. Edward L. Voorhis, Secretary and Superintendent. Annual meeting held in March. Price of gas, $2.70. Ju.

OGDENSBURGH. *Ogdensburgh Gas and Electric Light Co. Capital stock, $100,000. J. H. Findlay, Lessee. Price of gas, $2.00 to $2.50. Operate American arc electric system. (See Central Stations.)

ONEONTA. *Oneonta Electric Light and Power Co. F. D. Miller, President. Frank Gould, Secretary and Treasurer. G. A. Lane, Superintendent. Price of gas, $2.50.

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Operate American arc and Thomson-Houston incandescent electric systems. (See Central Stations.)

ONEIDA. Oneida Gas Light Co. Capital stock, $18,000; all paid in. W. E. Northrup, President. H. S. Klock, Secretary and Treasurer. Patrick Clark, Superintendent. Annual meeting held in December. Price of gas, $2.00. P G.

OSWEGO. *Oswego Gas Light Co. Jos. Dowdle, President. Wm. L. Walsh, Secretary, Treasurer and Superintendent. Price of gas, $2.00 gross, $1.50 net. Operate Thomson-Houston arc and Edison incandescent electric systems. (See Central Stations.)

OWEGO. Owego Gas Light Co. Capital stock, $60,000. A. P. Storrs, Jr., President and Treasurer. B. M. Stebbins, Secretary and Superintendent. Price of gas, $3.00. G 85.

PALMYRA. Palmyra Gas Light Co. Capital stock, $20,000; all paid in. A. P. Crandall, President and Superintendent. Annual meeting held in January. Price of gas, $2.50. P P G.

PENN YAN. Penn Yan Gas Light Co. Capital stock, $24,750; all paid in. Daniel Harris, President. Wm. Morris, Secretary and Treasurer. Morgan D. Tracy, Superintendent. Annual meeting held in July. Price of gas, $2.50, $2.00 and $1.80. P P G.

PLATTSBURG. *Plattsburg Light, Heat and Power Co. H. M. Pierson, President. Geo. M. Cole, Secretary and Superintendent. Jno. H. Myers, Treasurer. Annual meeting held in January. Price of gas. $2.00 net. Operate Excelsior and Westinghouse electric systems. (See Central Stations.)

PORT HENRY. Port Henry Gas Co. Capital stock, $6,900; paid in, $6,800. A. B. Waldo, President. H. B. Willard, Secretary and Superintendent. Price of gas, $3.50. P. G.

PORT JERVIS. Port Jervis Gas Light Co. Capital stock, $20,000. Francis Marvin, President. Howard Marvin, Secretary and Cashier. Thos. Maguire, Superintendent. Price of gas, $2.50. S. G.

POUGHKEEPSIE. Poughkeepsie Gas Co. Capital stock, $100,000; all paid in. W. H. Young, President. John Tracy, Secretary. L. G. Dodge, Treasurer. Jas. M. Hadden, Superintendent. Annual meeting held in January. Price of gas, $1.00 to $2.00. G 85.

RHINEBECK. Rhinebeck Gas Co. Capital stock, $25,000. George Esselstyn, President. A. Lee Wager, Secretary. H. McKim, Treasurer. J. M. Tonen, Superintendent. Ju.

ROCHESTER. Citizens' Gas Co. M. F. Reynolds, President. W. H. Ward, Secretary and Treasurer. T. M. Cox, Superintendent. Price of gas, $1.60. Z Z H.

Municipal Gas Light Co. Wm. Runkle, President and Treasurer. W. L. Cole, Secretary. Price of gas, $1.60; fuel, $1.00. Z Z H.

Rochester Gas Light Co. D. Runkle, President. H. G. Runkle, Treasurer. W. L. Cole, Agent. Price of gas, $1.60; fuel, $1.00. X H.

ROME. *Rome Gas Light Co. Capital stock, $35,000. G. N. Bissell, President. W. R. Huntington, Secretary and Treasurer. J. D. Higgins, Superintendent. Price of gas, $2.00 Operate Thomson-Houston and Remington arc and Thomson-Houston incandescent electric systems. (See Central Stations.)

RONDOUT. Rondout and Kingston Gas Light Co. Capital stock, $65,000. Charles Russ, President. George W. Harris, Secretary, Treasurer and Superintendent. Price of gas, $2.50, with 10 per cent. and 20 per cent. discount. V V H.

RYE. Rye and Portchester Gas Light Co. George W. Romaine, President. Jas. Greely, Secretary and Treasurer. Price of gas, $2.00 Ju.

SAG HARBOR. United Gas Improvement Co. Geo. Philler, President. W. W. Gibbs, Vice-President. Edw. C. Lee, Secretary and Treasurer. Chas. E. Knapp, Superintendent. Price of gas, $3.00 Ju.

SARATOGA SPRINGS. *Consumers' Gas and Electric Light Co. Wm. Foster, Jr.,

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President. E. H. Peters, Secretary. R. N. Hazard, Treasurer. Operate American arc electric system. (See Central Stations.)

SAUGERTIES. Saugerties Gas Light Co. Capital stock, $32,000; all paid in. Wm. F. Russell, President and Treasurer. Albert Cannight, Vice-President and Secretary. John Van Buskuh, Superintendent. Annual meeting held in January. Price of gas, $2.00 and $2.50. Ju.

SCHENECTADY. *Schenectady Gas Light Co. Capital stock, $200,000. Wm. Henry White, President. Clement A. White, Secretary and Superintendent. John McEncroe, Treasurer. Price of gas, $2.50. Operate Remington and American arc electric systems. (See Central Stations.)

SENECA FALLS. Seneca Falls and Waterloo Gas Light Co. Capital stock, $80,000; all paid in. C. L. Hoskins, President. R. J. Dobson, Secretary, Treasurer and Superintendent. Annual meeting held in July. Price of gas, $2.50. P P G.

SING SING. Sing Sing Gas Manufacturing Co. Capital stock, $220,500; all paid in. Francis Larkin, President. John I. Kane, Secretary. I. B. Noxon, Treasurer. Hugh Murphy, Superintendent. Price of gas, $2.00. S S H.

STAPLETON. Richmond County Gas Light Co. J. Hull Browning, President. W. Mackenzie, Secretary and Treasurer. Wm. Welsh, Superintendent. Price of gas, $2.25. Ju.

STATEN ISLAND. Staten Island Gas Light Co. George W. Ballou, President and Treasurer. Carroll Sprigg, Secretary. Thomas J. Agnew, Superintendent. Ju.

SYRACUSE. Syracuse Gas Light Co. Capital stock, $470,000; all paid in. A. A. Howlett, President. D. P. Wood, Vice-President. H. N. Babcock, Secretary and Treasurer. Austin C. Wood, Superintendent. Annual meeting held in January. Price of gas, $1.40 and $1.50. Z Z H.

TARRYTOWN. *Tarrytown and Irvington Union Gas Light Co. Capital stock, $100,000. Benson Ferris, President. George W. Stephens, Secretary. Elias Mann, Treasurer. George Coles, Superintendent. Price of gas, $2.50. Operate Thomson-Houston incandescent electric system. (See Central Stations.)

TONAWANDA. Tonawanda Gas Light Co. Capital stock, $60,000. Jas. H. De Graff, President. A. H. Crown, Secretary. P. S. Humphrey, Treasurer. Thomas Hunt, Superintendent. Price of gas, $1.50. Ju.

TROY. Troy Gas Co. Capital stock, $1,000,000. Edward Murphy, Jr., President. C. E. Davenport, Secretary. Derrick Lane, Treasurer. Henry C. Shields, Superintendent. Price of gas, $1.50, $1.75 and $2.00. X X H.

UTICA. *Equitable Gas and Electric Co. R. M. C. Graham, President. Harold Graham, Secretary. H. Keene, Treasurer. John Hovie, Superintendent. Price of gas, $1.75 net. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

WAPPINGER'S FALLS. Wappingers Falls Gas Light Co (by Franklindale Co). M. Cottam, Superintendent. Price of gas, $2.75. Ju.

WARSAW. Citizens' Gas Light Co. Capital stock, $30,000; paid in, $17,100. S. D. Lewis, President. Augustus Frank, Vice-President. J. B. Gates, Secretary. B. F. Fargo, Treasurer. S. Cronkhit, Superintendent. Annual meeting held in January. Price of gas, $2.00. Ju.

WATERTOWN. Watertown Gas Light Co. Capital stock, $100,000. F. T. Story, President and Treasurer. H. C. Whitney, Secretary and Superintendent. Price of gas, $2.00 net. W H.

WATERVILLE. Waterville Gas Light Co. Capital stock, $30,000. A. M. Wright, President and Superintendent. W. B. Goodwin, Secretary. S. W. Goodwin, Treasurer. Price of gas, $2.00 to $2.50. Ju.

WATKINS. Watkins Gas Co. Capital stock, $15,000; all paid in. Fred. Davis, Jr.,

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President. David H. Smith, Secretary and Superintendent. A. S. Stothoff, Treasurer. Annual meeting held in March. Price of gas, $2.25. P P G.

WAVERLEY. Waverly Gas Light Co. Capital stock, $50,000; all paid in. W. F. Warner, President and Superintendent. H. G. Mirriam, Secretary and Treasurer. Annual meeting held in January. Price of gas, $2.75. V V H.

WEST TROY. Municipal Gas Co. A. N. Brady, President. John E. McElroy, Secretary. Ledyard Cogswell, Treasurer. John F. Burke, Superintendent. Price of gas, $2.25. Ju.

WHITEHALL. Whitehall Gas Light Co. F. A. Sabbaton, President. H. A. Brooke, Secretary. W. F. Bascome, Treasurer. J. H. O'Callaghan, Superintendent. Price of gas, $2.75. Ju.

WHITE PLAINS. *Citizens' Gas and Electric Light Co. Capital stock, $100,000, S. Conover, President. E. R. Phelps, Secretary. S. Pullen, Treasurer. R. E. Slade, Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

YONKERS. Municipal Gas Co. Capital stock, $125,000. H E. Gantry, President. S. J. Young, Secretary and Treasurer Thos. C. Cornell, Agent. Operated by United Gas Improvement Co. of Philadelphia.

Yonkers Gas Light Co. Capital stock, $300,000. Thomas C. Connell, President, Treasurer and Agent. James D. McIntyre, Secretary. James D. Slade, Superintendent. Operated by the United Gas Improvement Co. of Philadelphia. Price of gas, $1.60.

Westchester Gas Light Co. Capital stock, $100,000. W. W. Gibbs, President. Edward C. Lee, Secretary and Treasurer. James Slade, Superintendent. Operated by the United Gas Improvement Co. of Philadelphia. Price of gas, $1.60.

NORTH CAROLINA.

CHARLOTTE. Charlotte Gas Light Co. Capital stock, $50,000; all paid in. Jas. H. Carson, President. S. E. Linton, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.25 to $2.50. V V H.

FAYETTEVILLE. *Fayetteville Gas Co. Capital stock, $50,000; all paid in. N. W. Ray, President. J. P. Thomson, Secretary, Treasurer and Superintendent. Annual meeting held in June. Price of gas, $2.50. Operate Brush electric system. (See Central Stations.)

GOLDSBORO. Goldsboro Water, Gas and Electric Light Co. Owen Kelly & Co., Owners, Lebanon, Ky. Ju.

GREENSBORO. *Greensboro Gas and Electric Light Co. Capital stock, $100,000. B. S. Johnson, President. C. N. Vance, Secretary. W. B. Bosley, Treasurer. H. B. Peters, Superintendent. Price of gas, $2.50 and $2.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

NEW BERNE. New Berne Gas Light Co. Chas. Slover, President. George Allen, Secretary and Treasurer. John C. Greene, Superintendent. Price of gas, $3.00. S S H.

RALEIGH. *Raleigh Gas Light Co. Capital stock, $100,000. C. M. Hawkins, President. W. E. Anderson, Secretary and Treasurer. M. Bowes, Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

SALEM. F. H. Fries, a private enterprise supplying a small number of consumers. Operate United States arc and Edison electric systems in isolated plants. 85.

SALISBURY. Salisbury Gas and Electric Co. Capital stock, $20,000; all paid in. J. Allen Brown, President. O. D. Davis, Secretary and Treasurer. O. S. Gallimore, Superintendent. Annual meeting held in May. Price of gas, $2.50 and $300. R. H.

WILMINGTON. *Wilmington Gas Light Co. Capital stock, $150,000; all paid in. E. S. Martin, President, Richard J. Jones, Secretary and Treasurer. Jno. W. Reilly,

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Superintendent. Annual meeting held in April. Price of gas, $2.00 and $2.50. Operate Thomson-Houston electric system. (See Central Stations.)

NORTH DAKOTA.

FARGO. *Fargo Gas and Electric Co. Capital stock, $250,000. V. S. Stone, President. Seth Newman, Secretary. J. W. Smith, Treasurer. E. P. Ingham, Superintendent. Price of gas, $3.00, less 10 per cent. discount. Operate Brush arc and Thomson-Houston incandescent electric systems. (See Central Stations.)

GRAND FORKS. *Grand Forks Gas and Electric Co. Capital stock, $200,000; paid in, $60,000. A. S. Brooks, President. W. J. Murphy, Vice-President and General Manager. A. C. Labrie, Secretary. H. L. Whithral, Treasurer. Thos. Roycraft, Superintendent. Annual meeting held in January. Price of gas, $2.50. Operate Brush and Thomson-Houston electric systems. (See Central Stations.)

OHIO.

AKRON. Akron Gas Light and Coke Co. T. N. Cornell, President. V G.

Akron Gas Light, Heat and Power Co. Capital stock, $200,000. Gordon M. Floyd, President. Ernest F. Floyd, Secretary. F. Adolph Schumacher, Treasurer. Olaf N. Guldlin, Superintendent. Price of gas, 30 cents to 50 cents fuel; 75 cents light. G 85.

ALLIANCE. *Alliance Gas Light Co. Elisha Teeters, President. W. W. Cantine, Secretary, Treasurer and Superintendent. Price of gas, $1.80. Operate Western electric system. (See Central Stations.)

ASHHLAND. Ashland Gas Works Co. E. A. Potter, Owner. Ju.

ASHTABULA. Ashtabula Gas Light Co. Capital stock, $60,000; paid in, $45,000. J. H. King (Painesville, O.), President. Henry Fassette, Secretary. J. S. Blythe, Treasurer. F. K. Lane, Superintendent. Annual meeting held in January. Price of gas, $1 60. S G.

ATHENS. *Athens Gas Light and Electric Co. Capital stock, $36,000. J. M. Welch, President. Chas. Welch, Secretary, Treasurer and Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc electric system. (See Central Stations)

BARNESVILLE. *Barnesville Gas Light and Coke Co. Capital stock, $22,265. John Bradford, President. C. J. Howard, Treasurer. H. D. Timmons, Superintendent. Price of gas, $2.25 and $2.40. Operate Ft. Wayne incandescent electric system. (See Central Stations.)

BELLAIRE. *Bellaire Gas and Electric Co. Capital stock, $75,000; all paid in. Owen Meehan, President. Miller Booth, Secretary. John Ferguson, Superintendent. Annual meeting held in May. Price of gas, $1.20 net. Operate Thomson-Houston electric system. (See Central Stations.)

BUCYRUS. *Bucyrus Gas Light and Fuel Co. J. B. Gormly, President and Treasurer. W. C. Lewent, Manager. J. W. Gwynn, Superintendent. Price of gas, $2.00. Operate Western electric system as the Bucyrus Electric Light Co. (See Central Stations.)

CADIZ. Cadiz Gas Light Co. Capital stock, $24,000; all paid in. John Connell, President. A. N. Hammond, Secretary and Superintendent. Richard Lyons, Treasurer. Price of gas, $1.60 and $1.80; fuel, $1.00. Ju.

CAMBRIDGE. Cambridge Gas Works Co. S. W. McMillin, Lessee. Price of gas, $2.50 to $3.00. P P G.

CANTON. Canton Gas and Coke Co. Capital stock, $325,000. M. S. Greenough, President. Chas. V. Grant, Secretary and Treasurer. Jos. M. Bate, Superintendent. Price of gas, $1,35, with discount. Ju

CHILLICOTHE. *Chillicothe Gas and Water Co. William Poland, President. A. C.

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Copp, Secretary and Treasurer. F. A. C. Stacey, Superintendent. Price of gas, $2.00, with discount. Operate Brush arc and United States incandescent electric systems. (See Central Stations.)

CINCINNATI. *Cincinnati Gas and Coke Co. Capital stock, $6,500,000. Gen. Andrew Hickenlooper, President. Henry W. Sage, Secretary. D. G. A. Davenport, Treasurer. N. G. Kenan, Superintendent. Price of gas, $1.15 and $1.25. Operate Ft. Wayne electric system. (See Central Stations.)

CIRCLEVILLE. Circleville Gas Light and Coke Co. Capital stock, $40,000. Joseph P. Smith, President. L. H. Sweetman, Secretary and Treasurer. J. L. Stribling, Superintendent. Price of gas, $1.75 to $2.00. S G.

CLEVELAND. Cleveland Gas Light and Coke Co. J. H. Morley, President. C. H. Beardslee, Secretary. G. A. Hyde, Engineer. J. C. Heath, Assistant Engineer. Wm. Christie, Superintendent. Price of gas, $1.00. Z H.

People's Gas Light Co. Capital stock, $500,000; all paid in. Geo. H. Wanington, President. Julius M. Carrington, Secretary and Treasurer. Edward Lindslay, Superintendent. Annual meeting held in January. Price of gas, $1.00. Z Z H.

COLUMBUS. Columbus Gas Light and Coke Co. Capital stock, $720,000. Emerson McMillin, President. D. E. Putnam, Vice-President. A. B. Robinson, Secretary and Treasurer. Irwin Butterworth, General Manager. Annual meeting held in April. Price of gas, $1.00. Z Z H.

COSHOCTON. Coshocton Light, Fuel and Power Co. Operate Jenney electric system. Houston May, President. Samuel Irvine, Secretary, Treasurer, and Superintendent. Price of gas, $2.00.

DAYTON. Dayton Gas Co. Capital stock, $600,000. R. R. Dickey, President. H. C. Graves, Vice-President. George M. Smart, Secretary. Joseph Light, Superintendent. Price of gas, $1.15. X H.

DEFIANCE. Defiance Gas Co. Capital stock, $25,000. Fred. W. L. Seuer, President. Andrew Sauer, Secretary. C. P. Harley, Treasurer. W. E. Bellmar, Superintendent. S G.

DELAWARE. Delaware Gas Light and Coal Oil Co. Capital stock, $90,000; all paid in. T. C. Jones, President. C. Hills, Vice-President. J. M. Armstrong, Secretary. E. W. Schaaf, Superintendent. Annual meeting held in January. Price of gas, $1.75. V V H.

DELPHOS. Delphos Gas Light Co. Capital stock, $28,000. H. Weible, President. J. F. McShane, Secretary and Treasurer. W. F. Brittingham, Superintendent. Price of gas, $2.00 S G.

EAST LIVERPOOL. East Liverpool Gas Light Co. J. M. Kelley, President. H. R. Hill, Secretary and Treasurer. J. M. Kelley, Superintendent. Ju.

ELYRIA. Elyria Gas and Water Co. Capital stock, $100,000. George H. Ely, President. D. M. Clark, Secretary, Treasurer and Superintendent. Price of gas, $1.60. F 85.

FOSTORIA. *Fostoria Light and Power Co. A. E. Rood, President. W. H. Cray, Secretary and Treasurer. J. M. Kerr, Superintendent. Price of gas, $1.77, with discount. Operate Brush electric system. (See Central Stations.)

FREMONT. *Electric Light and Power Co. C. O. Tillittson, President. W. H. Ford, Secretary. Fred. Fabin, Superintendent. Price of gas, $1.00. Operate Thomson-Houston electric system. (See Central Stations.)

GALION. Galion Gas Light Co. Capital stock, $35,000; all paid in. S. M. Highlands, President. John R. Ellis, Secretary and Superintendent. Jas. S. Kuhn, Treasurer. Annual meeting held in July. Price of gas, $1.50; fuel, $1.00. P F.

GALLIPOLIS. Gallipolis Gas and Coke Co. Capital stock, $40,000; paid in, $31,450. P. A. Sanns, President. C. W. Henking, Secretary. A. Henking, Treasurer. S. Witham, Superintendent. Annual meeting held in January. Price of gas, $2.00 to $3.00. S S H.

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GLENDALE. Mutual Gas Light Co. Capital stock, $10,000; all paid in. J. P. McLaren, President. W. P. Bruce, Vice-President. Samuel A. McCune, Secretary, Treasurer and Superintendent. Price of gas, $1.50. Ju.

GREENVILLE. Greenville Gas Co. Capital stock, $50,000. John Devor, President. Elijah Devor, Secretary and Treasurer. Edward Devor, Superintendent. Price of gas, $2.00. S G.

HAMILTON. *Hamilton Gas Light and Coke Co. Capital stock, $61,600. Joseph Andrews, President. D. H. Hensley, Secretary and Treasurer. W. J. Lynn, Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

City Gas Works Co. Owned by city. Trustees, Robert Alltstatter, President. Herman Reutti. John Schwartz. Willard Smyer, Secretary. Price of gas, $1.00.

HILLSBORO. *Hillsboro Gas and Electric Light Co. Capital stock, $20,000; all paid in. C. M. Overman, President, O. S. Price, Vice-President. G. W. Bowers, Secretary and Superintendent. J. Strain, Treasurer. Annual meeting held in April. Price of gas, $1.50. Operate Thomson-Houston electric system. (See Central Stations.)

IRONTON. Ironton Gas Co. Capital stock, $80,000; all paid in. D. W. Richards, President. F. Cronacher, Vice-President. W. W. Prichard, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.50 to $1.27. V V H.

JACKSON. *Gas and Electric Light Co. Operate Edison electric system, 600 incandescent lights; Thomson-Houston, 25 arc. Owned by corporation. J. H. Price, Superintendent and Manager. (See Central Stations.)

KENTON. Kenton Gas Co. James M. White, President and Treasurer. Geo. H. Harris, Secretary. W. A. Ross, Superintendent. S S H.

LANCASTER. Lancaster Gas Light and Coke Co. Capital stock, $50,000; all paid in. Geo. Watt, President. Frank Watt, Secretary. J. D. Martin, Treasurer. Geo. Hite, Superintendent. Annual meeting held in January. Price of gas, $1.50. Ju.

LIMA. Lima Gas Light Co. C. S. Brice, President. A. C. Baxter, Secretary. H. M. Ernst, Treasurer. H. C. Rucheldefer, Superintendent. Price of gas, $1.50. S G.

LOGAN. Logan Gas Light and Coke Co. Capital stock, $30,000. Ferdinand F. Rempel, President. F. F. Rempel, Jr., Secretary. L. A. Culver, Treasurer. D. Phillips, Superintendent. Price of gas, $2.00. R H.

LONDON. London Gas Light Co. Capital stock, $38,000; all paid in. Wm. M. Jones, President. G. G. Green, Secretary and Treasurer. Geo. H. Van Wagner, Superintendent. Annual meeting held in March. Price of gas, $1 50. Ju.

MANSFIELD. *Mansfield Gas Light Co. Capital stock, $90,000; paid in $80,000. S. E. Bird, President. W. C. Hedges, Secretary. Jas. S. Hedges, Treasurer. Geo. S. Harris, Superintendent. Annual meeting held in October. Price of gas, $1.25; fuel $1.00. Operate Western electric system as the Mansfield Electric Light and Power Co. (See Central Stations.)

MARIETTA. Marrietta Gas Co. Capital stock, $25,000. John Mills, President. W. L. Rolston, Secretary and Treasurer. M. McMillin, Lessee and Superintendent. Price of gas, $1.80. P P G.

MARION. Marion Gas Light Co. Capital stock, $37,500; all paid in. Ira Uhler, President. J. B. Fisher, Secretary and Superintendent. T. P. Wallace, Treasurer. Annual meeting held in October. Price of gas, $1.50, with discount. V G.

MASSILLON. Massillon Gas Light Co. Capital stock, $60,000. George Harsh, President. A. Hopper, Secretary and Superintendent. T. C. Hopper, Treasurer. Price of gas, $1.50. V V H.

MECHANICSBURG. Mechanicsburg Gas Light Co. Capital stock, $15,000. Dr. J. H. Clark, President. C. W. Williams, Secretary and Treasurer. T. J. Glendening, Superintendent. Price of gas, $7.00, equivalent to $1.40 for coal gas. P G.

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MIDDLETOWN. *Middletown Gas and Electric Co. Simon Goldman, President. G. N. Clapp, Secretary, Treasurer and Superintendent. Price of gas, $1.60. Operate Schuyler electric system. (See Central Stations.)

MT. VERNON. Mt. Vernon Gas Light and Coke Co. Capital stock, $50,000; all paid in. Charles Cooper, President. Desault B. Kirk, Secretary and Treasurer. George Taylor, Superintendent. Annual meeting held in January. Price of gas, $1.50. V G.

NEWARK. *Newark Gas Light and Coke Co. Capital stock, $52,200; all paid in. Jas. H. Smith, President and Superintendent. Luther J. Johnson, Secretary. Willis Robbins, Treasurer. Annual meeting held in April. Price of gas, $2.25, with discount. Operate Weston electric system. (See Central Stations.)

NEW PHILADELPHIA. New Philadelphia Gas Light Co. Capital stock, $30,000; all paid in. S. W. Pickering, President. O. P. Taylor, Secretary, Treasurer and Superintendent. Annual meeting held in July. Price of gas, $1.75, with discount. R H.

NORWALK. Norwalk Gas Light Co. Capital stock, $50,000. Chris. Tiebraun, President. J. A. Cooke, Secretary. Frank Revere, Treasurer. Ju.

OBERLIN. Oberlin Gas and Electric Co. Capital stock, $20,000. A. H. Johnson, President. H. L. Hurlbutt, Secretary, Treasurer and Superintendent. Price of gas, $1.50, $1.75, $2.00 and $2.50. Ju.

PAINESVILLE. Painesville Gas Light and Coal Co. Capital stock, $40,000; all paid in. John W. Alexander, President and Manager. Ralph K. Paige, Secretary and Treasurer. Annual meeting held in April. Price of gas, $1.70. S S H.

PIQUA. Piqua Gas Light and Coke Co. Capital stock, $50,000. D. C. Spinning, President. Richard Lee, Secretary. Piqua National Bank, Treasurer. Joseph Light, Superintendent. Price of gas, $1.50. S G.

PORTSMOUTH. *Portsmouth Gas Light and Electric Co. Capital stock, $100,000. Henry Padan, President and Treasurer. Herman Wilkiemeyer, Secretary and Superintendent. Price of gas, $1.50 and $1.75. Operate Ball arc electric system. (See Central Stations.)

RAVENNA. *Ravenna Gas and Electric Light Co. Capital stock, $37,000; all paid in. I. Linton, President. H. D. Seymour, Vice-President. W. H. Beebe, Secretary and Treasurer. W. H. Linton, Superintendent. Annual meeting held in January. Price of gas, $1.50. Operate Thomson-Houston electric system. (See Central Stations.)

RIPLEY. Ripley Gas Light and Coke Co. Capital stock, $20,000. A. J. Stivers, President. J. C. Leggett, Secretary. S. B. Cradit, Treasurer and Superintendent. Price of gas, $1.50. R H.

SALEM. Salem Gas Light Co. Capital stock, $10,000. Allan Boyle, President. P. V. Hampson, Vice-President, Secretary and Treasurer. Robert Turner, Superintendent. Price of gas, $1.50. R H.

SANDUSKY. *Sandusky City Gas Light Co. Capital stock, $190,000. H. J. Stroel, President. Thos. Wood, Secretary and Superintendent. A. W. Prout, Treasurer. Price of gas, $1.00 and $1.60. Operate Brush arc and Westinghouse incandescent electric systems. (See Central Stations.)

SIDNEY. Sidney Gas Light Co. Capital stock, $30,000. D. W. Pampell, President. Frank Hunter, Secretary and Treasurer. M. O. Gwynn, Superintendent. Price of gas, $1.65. Ju.

SPRINGFIELD. Springfield Gas Light and Coke Co. Capital stock, $300,000. A. S. Bushnell, President and Treasurer. James S. Goode, Secretary. J. W. R. Cline, Superintendent. Annual meeting held in July. Price of gas, $1.50. Z H.

STEUBENVILLE. *Steubenville Gas and Electric Co. Capital stock, $300,000. R. Sherwood, Jr., President. George N. McCook, Secretary. Thomas Johnson, Treasurer. J. Gwynn, Superintendent. Price of gas, $1.35, less 10 per cent. Operate Western Electric arc and Westinghouse incandescent electric systems. (See Central Stations.)

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TIFFIN. *Tiffin Electric Light Co. G. E. Seney, President and Treasurer. H. McCall, Secretary and Superintendent. Price of gas, $1.50. Operate Western electric system. (See Central Stations.)

TOLEDO. Toledo Gas Light and Coke Co. Capital stock, $1,000,000. S. M. Young, President. Thomas Biddle, Secretary. C. R. Fabin, Jr., Superintendent. Price of gas, $1.25. Z Z H.

TROY. Troy Gas Co. S. K. Stalter, President. R. A. Dittmar, Secretary, Treasurer and Superintendent, Annual meeting held in May. Price of gas, $1.00. R H.

UPPER SANDUSKY. Upper Sandusky Gas Light Co. Jas. G. Roberts, President. Frank A. Berry, Secretary and Treasurer. D. Walker, Superintendent. Price of gas, $7.00. W H.

URBANA. Urbana Gas Light and Coke Co. D. C. Spinning, President. C. C. Keifer, Jr., Secretary. Third National Bank, Treasurer. Joseph Light, Superintendent. Price of gas, $1.50. R H.

VAN WERT. Van Wert Gas Light Co. Capital stock, $37,500; all paid in. H. C. Glenn, President. D. R. Shepard, Vice-President. J. M. Tryon, Secretary and Superintendent. G. C. Glenn, Treasurer. Annual meeting held in January. Price of gas, $2.00. S S H.

WAPAKONETA. Wapakoneta Gas Light Co. L. N. Blume, President. Jas. Wilson, Jr., Secretary. Geo. Fisher, Treasurer. J. H. Shields, Superintendent. Price of gas, $1.40. M M F.

WARREN. Warren Gas Light Co. Capital stock. $60,000; all paid in. H. B. Perkins. President. Geo. H. Taylor, Secretary, Treasurer and Superintendent. Annual meeting held in March. Price of gas, $1.50. V G.

WASHINGTON. *Washington Gas Light Co. Capital stock, $50,000; all paid in. Morris Sharp, President. Jerome Penn, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.25, $1.50 and $2.00. Operate Thomson-Houston electric system as the Washington Electric Light, Heat and Power Co. (See Central Stations.)

WATERVILLE. Waterville Gas Co. Jas. Marston, President. Samuel Douns, Secretary. Peter Ullerich, President. —— Dunham, Superintendent. Price of gas, $16.00. Ju.

WELLSVILLE. Valley Gas Co. Capital stock, $50,000. James H. Riggs, President and Superintendent. Wm. M. Hamilton, Secretary and Treasurer. Price of gas, $1.50. S G.

WILMINGTON. Wilmington Gas Light and Coke Co. H. G. Hamlin, President. E. W. Hamlin, Secretary and Treasurer. George H. Taylor, Superintendent. Price of gas, $2.25. S S H.

WOOSTER. Wooster Gas Light Co. Capital stock, $60,00. John H. Kauke, President and Treasurer. E. Flattery, Secretary. W. S. Leyburn, Superintendent. Price of gas, $1.50 to $2.00. V G.

XENIA. Xenia Gas Light Co. J. H. Horfine, President. J. D. Steete, Secretary and Treasurer. Chas. A. Marden, Superintendent. Price of gas, $2.00. S S H.

YOUNGSTOWN. *Youngstown Gas Co. Capital stock, $300,000. George Tod, President. P. T. Caldwell, Secretary and Treasurer. M. Coombe, Superintendent. Price of gas, $1.00 to $2.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

ZANESVILLE. Zanesville Gas Light Co. M. M. Granger, President. G. A. Allen, Secretary. First National Bank, Treasurer. Price of gas, $1.30 and $1.25. W W G.

OREGON.

ASTORIA. Astoria Gas Light Co. Capital stock, $75,000. C. S. Wright, President. A. J. Meyler, Secretary. T. W. Case, Treasurer. G. O. Moen, Superintendent. Annual meeting held in September. Price of gas, $2.85. H 85.

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EAST PORTLAND. East Portland Gas Light Co. Capital stock, $50,000. Joseph Paquet, President and Treasurer. C. B. Bellinger, Secretary. E. W. James, Superintendent. Price of gas, $2.50. F 85.

PORTLAND. Portland Gas Light Co. John Green, President. H. C. Leonard, Secretary. G. B. Whitehouse, Treasurer. John Dudley, Superintendent. Price of gas, $2.50 and $2.00. Z H.

SALEM. Salem Gas Light Co. D. Tuthill, President and Treasurer. L. B. McLane, Secretary and Manager. Price of gas, $3.00 to $3.50. Ju.

PENNSYLVANIA.

ALLEGHENY. Allegheny Gas Co. Capital stock, $800,000; all paid in. James McCutcheon, President. Addison Lysle, Vice-President. Herbert Du Puy, Secretary. Jas. Richey, Jr., Treasurer. Robert Young, Superintendent. Annual meeting held in May. Price of gas, $1.00. X X H.

ALLENTOWN. Allentown Gas Light Co. Capital stock, $300,000. W. W. Gibbs, President. E. C. Lee, Secretary and Treasurer. A. F. Bigelow, Superintendent. Price of gas, $2.00 net. Ju.

ALTOONA. Altoona Gas Co. W. S. Humes, Secretary. W. D. Comp, Treasurer. T. W. Cole, Superintendent. Annual meeting held in May. Price of gas, $1.20. W H.

ARDMORE. Lower Marion Gas Co. W. L. Elkins, President. C. K. Robinson, Secretary. W. L. Elkins, Jr., Treasurer. J. W. Stirzel, Superintendent. Owned by Pennsylvania Globe Gas Light Co.

ASHLAND. *Ashland Gas Light Co. Capital stock, $30,000. Jno. B. Price, President and Superintendent. Jno. Dence, Secretary. Nicholas Graber, Treasurer. Price of gas, $1.50. Operate Thomson-Houston arc electric system. (See Central Stations.)

BEAVER FALLS. Beaver Falls Gas Co. Capital stock, $75,000; all paid in. Henry Hill, President. C. M. Merrick, Vice-President. H. F. Dillon, Secretary and Superintendent. G. S Barke, Treasurer. Annual meeting held in May. Price of gas, $1.00. V V H.

BELLEFONTE. Bellefonte Gas Light Co. Daniel Rhodes, President. E. M. Blanchard, Secretary. Jno. P. Harris, Treasurer. Robt. McKnight, Superintendent. S G.

BETHLEHEM. Bethlehem Gas Co. Capital stock, $65,850; all paid in. J. S. Krause, President. Jos. M. Leibert, Secretary and Treasurer. A. H. Ranch, Superintendent. Annual meeting held in May. Price of gas, $1.60 and $1.80. V V H.

BLOOMSBURG. Bloomsburg Gas Co. Capital stock, $25,000. L. E. Waller, President. C. W. Miller, Secretary. B. F. Hartman, Treasurer. W. V. Robins, Superintendent. Price of gas, $1.00. S S H.

BRADDOCK. *Braddock Gas Light Co. Capital stock, $50,000. S. M. Highlands, President. W. S. Kuhn, Secretary and Treasurer. W. W. McCleary, Superintendent. Price of gas, $1.20. Operate Westinghouse incandescent electric system. (See Central Stations.)

BRISTOL. Bristol Gas Light Co. Anthony Swain, President. Sam. Swain, Secretary and Treasurer. George W. Booth, Superintendent. S G.

BROWNSVILLE. Brownsville Gas Co. Capital stock, $24,000. Jas. W. Jeffreys, President and Superintendent. Wm. Parkhill, Secretary and Treasurer. Price of gas, $1.50. F 85.

CARBONDALE. Carbondale Gas Co. Capital stock, $14,000. R. Manville, President. J. F. Wheeler, Secretary and Treasurer. Geo. H. Moon, Superintendent. Price of gas, $2.50. R H.

CARLISLE. *Carlisle Gas and Water Co. Capital stock, $100,000. Dr. W. W. Dale, President. J. B. Landis, Secretary and Treasurer. C. E. Ramsey, Superintendent. Price of gas, $2.00. Operate American arc and Thomson-Houston incandescent electric systems. (See Central Stations.)

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CATASAUQUA. Catasauqua Gas Co. Capital stock, $16,625. John Williams, President. David Davis, Secretary and Treasurer. Price of gas, $1.80 and $1.90. W H.

CHAMBERSBURG. Chambersburg Gas Light Co. Capital stock, $49,000. S. M. Linn, President. H. Gehr, Secretary and Treasurer. A. C. McGrath, Superintendent. Price of gas, $1.90. V V H.

CHESTER. Chester Gas Co. Capital stock, $103,600; all paid in. J. R. Johnson, President, Treasurer and Superintendent. J. H. Roop, Secretary. Price of gas, $1.70 net. V V H.

CLEARFIELD. Clearfield Gas Light Co. Capital stock, $30,000; paid in, $21,000. W. W. Betts, Vice-President. H. B. Powell, Secretary and Treasurer. A. B. Fleck, Superintendent. Annual meeting held in July. Price of gas, $1.20. P P G.

COATESVILLE. Coatesville Gas Co. Capital stock, $30,000; all paid in. Wm. H. Gibbons, President. H. J. Branson, Secretary and Treasurer. J. F. Bowen, Superintendent. Annual meeting held in May. Price of gas, $2.50. S S H.

COLUMBIA. Columbia Gas Co. Capital stock, $60,000; all paid in. Jas. A. Meyers, President. Jos. Janson, Secretary and Treasurer. R. Beacham, Superintendent. Price of gas, $2.00 net. S G.

CONNELLSVILLE. Connellsville and New Haven Gas and Water Co. Capital stock, $35,000; paid in, $25,475. J. T. McCormick, President. J. A. Armstrong, Secretary, Treasurer and Superintendent. Annual meeting held in March. Price of gas, $1.05 to $1.40. R H.

CONSHOHOCKEN. Conshohocken Gas Light Co. Frederick Light, President. Henry M. Tracy, Secretary. Wm. McDermot, Treasurer. John K. Light, Superintendent. Price of gas, $1.80. S S H.

CORRY. Corry Gas and Water Co. A. M. Kent, President. G. O. King, Secretary. C. H. Wetmore, Treasurer. J. P. Oliver, Superintendent. Price of gas, $1.50 to $2.00. W H.

DANVILLE. *Danville Gas Co. Jno. R. Bennett, President. R. M. Grove, Secretary and Treasurer. J. T. Cowling, Superintendent. Price of gas, $2.00. Operate Excelsior and American arc and Ft. Wayne incandescent electric systems. (See Central Stations.)

DARBY. Darby Gas Co. Capital stock, $20,000; all paid in. Wm. H. Whiteley, President. W. Lane Verlenden, Secretary and Treasurer. Chas. F. Cabbell, Superintendent. Annual meeting held in November. Price of gas, $2.00. S G.

DOWNINGTOWN. Citizens' Gas Light and Fuel Co. Capital stock, $5,000; paid in, $2,500. Jos. H. Johnson, President. Harry L. Skeen, Secretary. John McGraw, Treasurer. John Kuaner, Superintendent. Price of gas, $1.50. Ju.

DOYLESTOWN. Doylestown Gas Co. James Kane, Owner, President and Treasurer. James Kane, Jr., Secretary. Price of gas, $3.00 P G.

EASTON. Easton Gas Co. Saml. Boileau, President. Wm. G. Stewart, Secretary. Edward Hilliard, Treasurer. Nelson Hoyt, Superintendent. Price of gas, $1 80 net. Y H.

ERIE. Erie Gas Co. Chas. M. Reed, President. Walter Scott, Secretary and Treasurer. W. H. Hill, Superintendent. Price of gas, $1.50 net. W H.

FRANKLIN. Franklin Gas Co. Capital stock, $66,000; all paid in. C. W. Gilfillan, President and Superintendent. James Miller, Secretary. Harry Lamberton, Treasurer. Annual meeting held in May. Price of gas, $1.00 net. V G.

FREEPORT. Freeport Gas Light Co. J. H. McCulloch, President and Treasurer. F. M. Richards, Superintendent. Price of gas, $1.50. Ju.

GETTYSBURG. Gettysburg Gas Co. Capital stock, $15,000; all paid in. Prof. E. S. Bindenbaugh, President. C. S. Duncan, Secretary and Treasurer. Annual meeting held in March. Price of gas, $1.75 and $2.00. P P G.

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GIRARDVILLE. Girardville Gas Co. Capital stock, $30,000. Lewis Bliss, President. J. M. Glick, Secretary. E. M. Becker, Treasurer. William Bracy, Superintendent. Price of gas, 80 cents. Ju.

GREENSBURG. Greensburg Gas Co. Capital stock, $36,000; all paid in. James C. Clarke, President and Superintendent. Jacob Turney, Secretary. Geo. F. Huff, Treasurer. Annual meeting held in January. Price of gas, $1.30. W H.

GREENVILLE. Greenville Gas Co. Capital stock, $25,000; all paid in. C. R Wray, President. G. B. Chase, Secretary. H. N. Shrom, Treasurer and Superintendent. Annual meeting held in April. Price of gas, $1.50. S S H.

HANOVER. Hanover Gas Co. Capital stock, $18,200; all paid in. A. W. Eichelberger, President. L. F. Melsheimer, Secretary. Geo. N. Forney, Treasurer. John Lyons, Superintendent. Annual meeting held in May. Price of gas, $2.00. P P G.

HARRISBURG. Harrisburg Gas Co. Capital stock, $200,000. George N. Reily, President. J. Wesley Awl, Secretary. P. Asbury Awl, Treasurer. Wm. G. Chandler, Superintendent. Price of gas, $1.50 and $2.00. Operated by United Improvement Co. of Philadelphia.

People's Gas and Gaseous Fuel Co. Capital stock, $200,000. Daniel Flemming, President. George R. Flemming, Secretary and Treasurer. Wm. G. Chandler, Superintendent. Price of gas, $2.00. Operated by United Gas Improvement Co. of Philadelphia.

HAZLETON. Hazleton Gas Co. Capital stock, $45,000; all paid in. David Clark, President. A. Pardee, Secretary and Treasurer. John L. Mayer, Superintendent. Annual meeting held in May. Price of gas, $2.00. G 85.

HOLLIDAYSBURG. Hollidaysburg Water and Gas Co. William Williams, President. A. S. Landis, Secretary. Jas. Gardner, Treasurer. T. B. Williams, Superintendent. Price of gas, $2.00. Ju.

HONESDALE. Honesdale Gas Co. A. O. Granger & Co., Lessees. Percy E. Gerould, Manager. Price of gas, $2.25. Ju.

HUNTINGDON. Huntingdon Gas Light Co. Capital stock, $22,250. I. Simpson Africa, President. B. Franklin Africa, Secretary, Treasurer, Lessee and Superintendent. Price of gas, $2.50, less 20 per cent. Ju.

INDIANA. Indiana Gas Light Co. Capital stock, $25,000. S. McCartney, President. G. P. McCartney, Secretary, Treasurer and Superintendent. Price of gas, $1.00 to $1.50. V V H.

JERSEY SHORE. Jersey Shore Gas Light Co. Capital stock, $10,500; all paid in. Isaac P. Raup, President and General Manager. E. B. Raup, Secretary and Treasurer. Price of gas, $1.75. M G.

JOHNSTOWN. Johnstown Gas Co. Capital stock, $100,000; all paid in. Dr. John Lowman, President. Wm. L. Shryock, Secretary. John D. Roberts, Treasurer. James Williams, Superintendent. Annual meeting held in June. Price of gas, $1.20. Ju.

KITTANNING. Kittanning Gas Co. Capital stock, $20,000; all paid in. I. A. Colwell, President. Geo. T. Crawford, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.00. G 85.

LANCASTER. Lancaster Gas Light and Fuel Co. Capital stock, $200,000; all paid in. H. Baumgardner, President, Secretary and Treasurer. Wm. M. Lane, Superintendent. Annual meeting held in December. Price of gas, $1.80. Z H.

LATROBE. Latrobe Gas Co. Capital stock, $20,000; all paid in. S. H. Baker, President. Dr. D. W. McConaughy, Vice-President. R. B. Pepperday, Secretary, Treasurer and Superintendent. Annual meeting held in March. Price of gas, $1.10. Ju.

LEBANON. Lebanon Gas Co. Capital stock, $80,000; paid in, $69,275. T. T. North, Vice-President. John M. Mish, Secretary and Treasurer. Peter Guyer, Superintendent. Annual meeting held in January. Price of gas, $2.35. V V H.

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LEWISBURG. Lewisburg Gas Works Co. John Walls, President. W. S. Halfpenny, Secretary and Treasurer. J. F. Duncan, Superintendent. Price of gas, $2.00 to $2.50. R H.

LEWISTOWN. Lewistown Gas Co. Capital stock, $19,800; all paid in. John E. Shaw, President. Chas. A. Zube, Secretary. Geo. L. Russell, Treasurer. Annual meeting held in May. Price of gas, $2.00, with discount. Ju.

LOCKHAVEN. *Lockhaven Gas Light Co. Capital stock, $50,000. Samuel Christ, President. W. S. Harris. Secretary and Treasurer. David McClelland, Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

MAHANOY CITY. *Mahanoy City Gas Co. E. D. Sulliman, President. Andrew Comrey, Secretary and Superintendent. N. L. Yoder, Treasurer. Price of gas, $1.30. Operate Thomson-Houston arc electric system. (See Central Stations.)

MAUCH CHUNK. Mauch Chunk Gas Co. Capital stock, $45,000; all paid in. A. G. Broadhead, President. S. S. Smith, Secretary and Treasurer. E. R. Enbody, Superintendent. Annual meeting held in April. Price of gas, $2.00 net. S S H.

McKEESPORT. McKeesport Gas Co. Capital stock, $50,000; all paid in. W. D. Wood, President. Wm. F. Knox, Vice-President. John F. Davitt, Secretary and Treasurer. Wm. C. Neemes, Superintendent. Annual meeting held in May. Price of gas, $1.25. V V H.

MEADVILLE. Meadville Gas and Water Co. Capital stock, $100,000; all paid in. Wm. Reynolds, President. Sturgis F. Dick, Secretary. Saml. B. Dick, Treasurer. Geo. S. Cullom, Superintendent. Annual meeting held in January. Price of gas, $1.25. W H.

MECHANICSBURG. Mechanicsburg Water and Gas Co. Capital stock, $50,000. Joseph Leas, President. J. C. Bowman, Secretary and Treasurer. Andrew Seifert, Superintendent. Price of gas, $2.50 V G.

MEDIA. Media Gas Co. Capital stock, $20,000. Isaac Worrall, President. Horace Green, Secretary. V. G. Robinson, Treasurer. Price of gas, $2.00. P P G.

MIDDLETOWN. Middletown Gas Light Co. Capital stock, $25,000; all paid in. John W. Rife, President. Joseph H. Nislay, Secretary. H. C. Stehman, Treasurer. George P. Campbell, Superintendent. Annual meeting held in June. Price of gas, $2.00. F 83.

MILTON. Milton Gas Co. Capital stock, $30,000; all paid in. R. F. Wilson, President. C. F. Follmer, Secretary and Treasurer. James R. Chapin, Superintendent. Annual meeting held in May. Price or gas, $1.50 to $2.00. S S H.

MONONGAHELA. Monongahela City Gas Co. Capital stock, $80,000; all paid in. W. J. Alexander, President. J. A. Huron, Secretary. J. B. Finley, Treasurer. Henry Elliott, Superintendent. Annual meeting held in May. Price of gas, $1.00 to $1.50. S S H.

MOUNT JOY. Mount Joy Gas Light Co. Henry Steck, President. L. P. Lowe, Secretary and Treasurer. J. W. Roland, Superintendent. Price of gas, $2.00. Ju.

MT. PLEASANT. Mt. Pleasant Gas Co. Capital stock, $18,000; paid in, $16,000. J. H. Clark, President. H. R. Freed, Secretary and Treasurer. R. E. Lamb, Superintendent. Annual meeting held in June. Price of gas, $1.00. S G.

NEW CASTLE. New Castle Gas Co. Capital stock, $100,000. J. B. Finley, President and Treasurer. D. T. Flick, Secretary and Superintendent. Price of gas, $1.50. S S H.

NEWTOWN. Newtown Gas and Water Co. Ju.

NORRISTOWN. Norristown Gas Co Capital stock, $149,050; all paid in. James Boyd, President. H. S. Sechler, Secretary, John Slingluff, Treasurer and Superintendent. Annual meeting held in June. Price of gas, $1.60. G 85.

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OIL CITY. Oil City Gas Co. Ju.

ORWIGSBURG. Orwigsburg Gas Co. Ju.

PHILADELPHIA. Manayunk Gas Light Co. T. S. C. Lowe, President. A. M. Synder, Secretary. L. P. Lowe, Treasurer. A. Vice, Superintendent. Price of gas, $1.25 net. Ju.

Northern Liberties Gas Co. Capital stock, $475,000. Phillip H. Horn, President. Wm. C. Fodell, Secretary and Treasurer. John W. Smith, Superintendent. Price of gas, $1.50. Ju.

Philadelphia Gas Works, in charge of Bureau of Gas, Department Public Works. Director of Department, Louis Wagner. Chief of Bureau, Wm. K. Park. Price of gas, $1.50.

PHŒNIXVILLE. Phœnixville Gas Light and Fuel Co. J. L. Janeway, Lessee. Annual meeting held in January. Price of gas, $1.25 to $1.90. Ju.

PITTSBURGH. Consolidated Gas Co. Capital stock, $300,000 H. M. Bennett, President. P. Jay McNulty, Secretary and Treasurer. Jas. T. Duff, Superintendent. Price of gas, $1.00. Z H.

East End Gas Co. Capital stock, $200,000. Wm. H. Dennison, President. O. M. McElroy, Secretary. H. Du Puy, Treasurer. John McElroy, Superintendent. Price of gas, $1.00. G 85

Pittsburgh Gas Co. Capital stock, $1,320,000. D. Herbert Hostetter, President. W. H. McClelland, Secretary. D. H. Stoner, Treasurer. John H. McElroy, Superintendent. Price of gas, $1.00. X H.

South Side Gas Co. George Trautman, President. Wm. L. Elkins, Jr., Vice-President and Treasurer. W. H. Aldred, Secretary. J. A. Faux, Superintendent. Annual meeting held in May. Price of gas, $1 30. Y H.

West Pittsburgh Gas Co. Capital stock, $100,000; all paid in. J. B. Finley, President. R. S. Hemiup, Secretary and Treasurer. John J. McEvoy, Superintendent. Annual meeting held in May. Price of gas, $1.50. W H.

PITTSTON. Pittston Gas Light Co. Capital stock, $40,000. Andrew Bryden, President. W. L. Watson, Secretary. J. L. McMillen, Treasurer. J. W. Thomas, Superintendent. Price of gas, $2.00. S S H.

PLYMOUTH. *Plymouth Light, Heat and Power Co. Capital stock, $50,000; all paid in. Draper Smith, President. G. W. Chamberlin, Secretary and Treasurer. O. M. Lance, Superintendent. Annual meeting held in February. Price of gas, $1.62. Operate Excelsior electric system. (See Central Stations.)

POTTSTOWN. Pottstown Gas Co. Capital stock, $25,000. H. G. Kulp, President. Dr. Chas. Moore, Secretary. D. H. Keim, Treasurer. S. L. Cramer, Superintendent. Price of gas, $2.00, less 5 per cent. Y H.

POTTSVILLE. *Pottsville Gas Co. Capital stock, $150,000. R. F. Lee, President. D. E. Nice, Secretary. T. A. Reily, Treasurer. Jas. A. Bowen, Superintendent. Price of gas, $2.00. Operate Schuyler arc and Westinghouse incandescent electric systems. (See Central Stations.)

PROVIDENCE. Providence Gas Light Co. Supplied by Scranton Gas Works.

READING. Consumers' Gas Co. Capital stock, $200,000; all paid in. Henry Baumgardner, President. A. L. Jones, Vice-President. Jno. H. Keppelman, Secretary and Superintendent. M. Maloney, Manager. William L. Elkins, Jr., Treasurer. Annual meeting held in June. Price of gas, $2.10; fuel, $1.85. Y H.

ROYERSFORD. Spring City Gas Co. Capital stock, $25,000. Hugh Burgess, President. William Rennyson, Secretary and Treasurer. J. J. Nix, Superintendent. Price of gas, $3.00. R H.

SCHUYLKILL HAVEN. Schuylkill Haven Gas and Water Co. Capital stock, $200,000; paid in, $75,000. Caleb A. Horne, President. George S. Mayer, Secretary. Wm. R.

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Rudy, Treasurer. Wm. H. Mellon, Superintendent. Price of gas, $1.75 net. F 85.

SCRANTON. Hyde Park Gas Light Co. Supplied by Scranton Gas Light Co.

*Scranton Gas and Water Co. W. W. Scranton, President. S. B. Hand, Secretary. Robert Reeves, Superintendent. Price of gas, $1.40. Operate Brush arc electric system. (See Central Stations.)

SEWICKLEY. Sewickley Gas Light Co. Capital stock, $37,100. W. L. Standish, President. F. M. Rogers, Secretary and Superintendent. E. P. Young, Treasurer. Price of gas, $1.20 and $1.00 net. Ju.

SHAMOKIN. Shamokin Gas Light Co. Capital stock, $25,000. Holden Chester, President. A. A. Heim, Secretary and Superintendent. George W. Ryan, Treasurer. Price of gas, $2.50. Ju.

SHARON. Sharon Gas and Water Co. Capital stock, $52,500; all paid in. S. Perkins, President. I. L. Carver, Secretary and Superintendent. M. H. Henderson, Treasurer. Annual meeting held in May. Price of gas, $1.20 and $1.45 net. S S H.

SHARPSBURG. Sharpsburg and Etna Gas Co. Capital stock, $64,600. S. M. Marvin, President. H. G. Woerner, Secretary and Treasurer. J. B. Smith, Superintendent. Price of gas, $1.60, $1.20 and $1.00. Ju.

SHENANDOAH. *Shenandoah Gas Light Co. Capital stock, $22,000. S. A. Beddall, President. R. Stocker, Secretary. W. F. Kistler, Treasurer. H. A. Swalm, Superintendent. Price of gas, $1.75. Operate Thomson-Houston arc electric system. (See Central Stations.)

SHIPPENSBURG. Shippensburg Gas Light Co. Capital stock, $12,500. Dr. Robt. C. Stewart, President. George B. Cole, Secretary. E. J. McCune, Treasurer. W. R. Beaver, Superintendent. Price of gas, $2.40. S G.

SOUTH BETHLEHEM. South Bethlehem Gas and Water Co. Capital stock, $140,000. E. P. Wilbur, President. C. Neisser, Secretary. H. Stanley Goodwin, Treasurer. B. E. Lehman, Superintendent. Price of gas, $2.00, less 10 per cent. W W H.

STROUDSBURG. Stroudsburg Gas Light Co. Price of gas, $2.50. Ju.

SUNBURY. Sunbury Gas Light Co. Capital stock, $25,000. S. P. Woolverton, President. T. H. Purdy, Secretary and Treasurer. Truman H. Finn, Superintendent. Price of gas, $1.50. S S H.

TAMAQUA. Citizens' Gas Light Co. David Zebner, President. John L. Zebner, Secretary, Treasurer and Superintendent. Annual meeting held in December. Price of gas, $2.00. Ju.

TIDIOUTE. Tidioute Gas Light Co. M. H. Butler, President and Superintendent. J. A. Weible, Secretary and Treasurer. Ju.

TITUSVILLE. Titusville Gas and Water Co. R. D. Fletcher, President. F. W. Perkins, Secretary. E. T. Roberts, Treasurer. Jos. Kornad, Superintendent. Price of gas, $1.00. Ju.

TOWANDA. Towanda Gas Co. Capital stock, $45,000. Henry Streeter, President. N. N. Betts, Secretary. C. P. Spaulding, Superintendent. Price of gas, $2.25. S S H.

TYRONE. Tyrone Gas and Water Co. C. George, President. A. B. Hoone, Vice-President. A. A. Sterns, Secretary. C. H. Deifferboy, Superintendent. Price of gas, $2.00, with discount. Ju.

UNIONTOWN. Uniontown Light and Heat Co. Ewing & Sturges, Owners. Price of gas, $1.20, with discount. Ju.

WARREN. *Warren Gas Light Co. Capital stock, $75,000; all paid in. James O. Wells, President. A. J. Hazeltine, Vice-President. S. J. Franklin, Secretary and Superintendent. A. H. McKelvy, Treasurer. Annual meeting held in March. Price of gas, $1.00 to $2.00. Operate Thomson-Houston electric system as the Warren Electric Light Co. (See Central Stations.)

WASHINGTON. Washington Gas Co. Capital stock, $38,850. Collins M. Reed,

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President. James C. Acheson, Secretary and Treasurer. C. E. Hoover, Superintendent. Price of gas, $1.20. S G.

WAYNESBORO. Waynesboro Gas Light Co. Capital stock, $25,00; all paid in. Caleb H. Horne, President. George S. Moyer, Secretary and Superintendent. Price of gas, $2.00. Ju.

WEST CHESTER. West Chester Gas Co. Dr. Jesse C. Green, President. H. B. Buckwalter, Secretary and Treasurer. L. C. McCauley, Superintendent. Annual meeting held in February. Price of gas, $1.40 to $2.00. V V H.

WEST NEWTON. West Newton Gas Co. Capital stock, $2,000; paid in, $1,300. Geo. Plumer, President. A. M. Dick, Secretary. A. W. Orr, Treasurer. J. G. Sutton, Superintendent. Annual meeting held in May. Price of gas, $2.00. F 85.

WILKES BARRE. Wilkes Barre Gas Co. Capital stock, $130,000. W. C. Conynham, President. Marcus Smith, Secretary and Superintendent. John C. Phelps, Treasurer. Price of gas, $1.80, 5 per cent. to 25 per cent. discount. Y H.

WILLIAMSPORT. Williamsport Gas Co. Capital stock, $400,000; all paid in. J. M. Gazzam, President. C. A. Byers, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.50 to $2.00. Z Z H.

YORK. York Gas Co. Capital stock, $100,000; all paid in. G. Edw. Hersh, President. Thos. Wood, Secretary. W. H. Griffith, Treasurer. Jacob L. Kuehn, Superintendent. Price of gas, $1.50 to $2.00. W H.

RHODE ISLAND.

BRISTOL. Bristol Gas Light Co. Capital stock, $60,000; all paid in. R. S. Franklin, President. J. H. Manchester, Secretary, Treasurer and Superintendent. Annual meeting held in December. Price of gas, $2.25. V G.

NEWPORT. Newport Gas Light Co. Capital stock, $250,000; all paid in. Henry Bull President. Thomas A. Lawton, Secretary. A. K. Quinn, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.50. Y H.

PAWTUCKET. *Pawtucket Gas Co. Capital stock, $500,000; all paid in. L. B. Darling, President. E. A. Perrin, Secretary. C. L. Knight, Treasurer. S. G. Stiness, Superintendent. Annual meeting held in June. Price of gas, $1.35, $1.60 and $1.80. Operate Thomson-Houston electric system. (See Central Stations.)

PROVIDENCE. Providence Gas Co. Capital stock, $2,500,000; all paid in. Amos C. Barstow, President. Col. Wm. Goddard, Vice-President. A. B. Slater, Secretary and Manager. Annual meeting held in September. Price of gas, $1.40. X X X H.

WARREN. Warren Gas Light Co. Capital stock, $17.500; all paid in. Samuel G. Stiness, President. Daniel L. Turner, Secretary, Treasurer and Superintendent. Annual meeting held in January. Price of gas, $1.50 and $2.00. F 85.

WESTERLY. *Westerly Gas and Electric Light Co. Capital stock, $50,000; all paid in. Edwin Babcock, President. Arthur Perry, Secretary, Treasurer and General Manager. J. H. Hodgson, Superintendent. Annual meeting held in May. Price of gas, $2.00. Operate Thomson-Houston and Westinghouse electric systems. (See Central Stations.)

WOONSOCKET. *Woonsocket Gas Co. Capital stock, $250,000. Henry C. Kimball, President. Reuben G. Randall, Secretary and Treasurer. Zimmer M. Jenks, Superintendent. Price of gas, $1.60. Operate Brush arc and incandescent electric systems. (See Central Stations.)

SOUTH CAROLINA.

CHARLESTON. *Charleston Light and Power Co. Capital stock, $50,000. George B. Edwards, President. P. P. Toole, Secretary and Treasurer. Frederick P. Upson, Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

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Charleston Gas Light Co. Capital stock, $50,000. Thomas Turner, President and Superintendent. William Morrison, Secretary and Treasurer. Price of gas, $2.00, with discount. H 85.

COLUMBIA. Columbia Gas Light Co. W. W. Flanigan, President. D. D. Mallory, Secretary and Treasurer. John M. Daniels, Superintendent. Price of gas, $2.00 net. Operated by United Gas Improvement Co. of Philadelphia.

GREENVILLE. *Greenville Gas and Electric Light Co. Asbury & Son, President, Secretary, Treasurer and Superintendent. Price of gas, $3.00, 50 cents discount. Operate Thomson-Houston arc electric system. (See Central Stations.)

SPARTANBURG. Spartanburg Gas Light and Electric Power Co. Capital stock, $36,000. A. H. Leftwich, President. W. C. Thomson, Treasurer. Wm. Campbell, Superintendent. Price of gas, $2.50. Ju.

SOUTH DAKOTA.

PIERRE. Pierre Gas and Fuel Co. Capital stock, $200,000; all paid in. Tom Bixby, President. T. W. Pratt, Secretary, Treasurer and Superintendent. Annual meeting held in February. Price of gas, $2.50; to city, $2.00. V G.

RAPID CITY. *Electric and Gas Light Co. Operate the Thomson-Houston electric system, and will erect a gas plant as soon as a company can be properly organized.

SIOUX FALLS. Sioux Falls Gas Light Co. Capital stock, $50,000. D. C. Hauk, President. L. D. Spragle, Superintendent. Price of gas, $2.00. M F.

TENNESSEE.

BROWNSVILLE. Brownsville Gas, Coal and Coke Co. J. B. McKinney, Owner. W. R. McKnight, Secretary and Superintendent. Price of gas, $2.50. Ju.

CHATTANOOGA. Chattanooga Gas Light Co. Capital stock, $200,000; all paid in. Jas. A. Caldwell, President. I. S. Post, Secretary and Treasurer. James Forbes, Superintendent. Annual meeting held in January. Price of gas, $1.70, with discount. Y H.

CLARKSVILLE. Clarksville Gas Light Co. Capital stock, $30,000. F. P. Gracey, President. Thomas Bourne, Secretary and Superintendent. D. N. Kennedy, Treasurer Price of gas, $3.00. P P G.

COLUMBIA. Columbia Gas Co. E. W. Gamble, President. T. J. Odell, Secretary and Superintendent. Lucius Frierson, Treasurer. Price of gas, $2.00. Ju.

GALLATIN. Gallatin Gas Co. James I. Walton, President. D. B. Anderson, Secretary and Treasurer. Jos. W. Harris, Superintendent. P P G.

JACKSON. *Citizens' Gas and Electric Light Co. Capital stock, $50,000. John J. Keith, President. Stephen Howes, Secretary and Superintendent. N. S. White, Treasurer. Price of gas, $2.00. Operate American arc electric system. (See Central Stations.)

KNOXVILLE. Knoxville Gas Light Co. Capital stock, $168,000; all paid in. R. R. Swepson, President. W. P. Washburn, Vice-President. R. C. Jackson, Secretary. Peter Young, Superintendent. Annual meeting held in June. Price of gas, $1.50. Y H.

MEMPHIS. Equitable Gas Light Co. Capital stock, $750,000; all paid in. Wm. Katzenberger, President. L. N. Falk, Vice-President. I. Katzenberger, Secretary and Treasurer. F. C. Kneisse, Superintendent. Annual meeting held in September. Price of gas, $1.75 net. X H.

Memphis Gas Light Co. N. M. Jones, President. Joseph Craig, Secretary. Frank Bierce, General Manager. Price of gas, $1.75. Z Z H.

MURFREESBORO. Murfreesboro Gas Light Co. Capital stock, $30,000; all paid in. G. W. Sparks, President. C. Collins, Secretary and Treasurer. Homer B. Collins, Superintendent. Annual meeting held in January. Price of gas, $1.00. S S H.

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NASHVILLE. Nashville Gas Light Co. Capital stock, $680,000. Samuel Prichitt, President. Thomas F. Kendrick, Treasurer. George H. Wells, Superintendent. Price of gas, $1.89. X H.

PULASKI. Pulaski Gas Co. Capital stock, $21,000. H. D. Fitch, President. L. T. Rosengarten, Secretary and Treasurer. Price of gas, $2.00. F 85.

TEXAS.

AUSTIN. Austin Gas Light and Coal Co. Capital stock, $100,000. Sylvester Watts, President. A. E. Judge, Secretary and Superintendent. Eugene Bremond, Treasurer. Price of gas, $2.00 to $3.50. W H.

Capital Gas Light Co. H. K. Thurber, of N. Y., President. F. Huppertz, Secretary. A. E. Judge, Superintendent. Price of gas, $2.00 to $3.00. Ju.

BRENHAM. Brenham Gas Co. E. Ruchardt, President. D. C. Giddings, Secretary and Treasurer. Works closed.

CORSICANA. Corsicana Gas Co. Capital stock, $50,000. Bryan T. Barry, President. Jno. R. Miller, Secretary, Sam'l R. Frost, Treasurer. Price of gas, $2.50. Ju.

DALLAS. *Dallas City Gas Light Co. J. C. Schneider, President. J. C. O'Connor, Secretary and Treasurer. William Enfield, Superintendent. Price of gas, $1.90. Operate Thomson-Houston and Sperry arc and Edison incandescent electric systems. (See Central Stations.)

DENISON. *Denison Light and Power Co. Capital stock, $125,000. W. B. Munson, President. J. R. Cullivane, Secretary, Treasurer and Superintendent. Price of gas, $2.25 net. Operate Van Depoele arc and Westinghouse incandescent electric systems. (See Central Stations.)

EL PASO. El Paso Gas, Coal and Coke Co. J. T. White, President. W. J. Fewel, Secretary. J. Magoffin, Treasurer. M. L. Hickey, Superintendent. Price of gas, $3.20, with discount. S G.

FORT WORTH. *Fort Worth Gas Light and Coke Co. Capital stock, $225,000. Henry C. Scott, President and Treasurer. W. W. Green, Secretary. Price of gas, $3.00. Operate Waterhouse arc and Westinghouse incandescent electric systems. (See Central Stations.)

GAINESVILLE. *Gainesville Light and Fuel Co. Capital stock, $80,000. J. M. Lindsay, President. E. L. Hopper, Secretary and Superintendent. H. M. Lindsay, Treasurer. Price of gas, $3.50, with discount. Operate Van Depoele arc and Westinghouse incandescent electric systems. (See Central Stations.)

GALVESTON. *Galveston Gas Co. Capital stock, $500,000. J. H. Hutchins, President. C. P. Russell, Secretary and Treasurer. Frank Beck, Superintendent. Price of gas, $2.00. Operate Brush arc and Westinghouse incandescent electric systems. (See Central Stations.)

HOUSTON. *Houston Gas Light Co. Capital stock, $200,000. T. W. House, President. G. K. Vaughn, Secretary, Treasurer and General Manager. Price of gas, $2.00. Operate United States arc and Westinghouse incandescent electric systems. (See Central Stations.)

JEFFERSON. Jefferson Gas Light Co. H. B. Thomas, Superintendent. Price of gas, $3.00. Ju.

MARSHALL. *Marshall Gas Light Co. Capital stock, $40,000. E. J. Fry, President. W. C. Pierce, Secretary and Treasurer. Will. H. Clark, Superintendent. Price of gas, $2.00. Operate Westinghouse incandescent electric system. (See Central Stations.)

PARIS. *Paris Gas and Electric Light Co. Capital stock, $60,000; all paid in. Jas. J. Walsh, President. John Martin, Vice-President. J. A. Porter, Secretary. S. J. Wright, Treasurer. J. Ulmer Jones, Superintendent. Annual meeting held in May. Price of gas, $3.00. Operate Wood electric system. (See Central Stations.)

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SAN ANTONIO. *San Antonio Gas Co. H. D. Kampman, President. H. Roach, Vice-President. Gus Giesecke, Secretary and Superintendent. J. Muier, Jr., Treasurer. Annual meeting held in March. Price of gas, $3.00, with discount. Operate Brush electric system. (See Central Stations.)

SHERMAN. Sherman Gas Light Co. H. D. Fitch, Secretary and Treasurer. J. K. Davis, Superintendent. Price of gas, $2.50; fuel, $1.90. Ju.

WACO. *Waco Gas Co. Capital stock, $100,000. George Clark, President. John L. Brockenbrough, Secretary. H. C. Scott, Treasurer. J. H. Maxon, Superintendent. Annual meeting held in January. Price of gas, $2.50. Operate Jenney electric system. (See Central Stations.)

UTAH.

OGDEN. Ogden Gas Light and Fuel Co. Capital stock, $250,000. David F. Walker, President. David F. Walker, Jr., Secretary and Treasurer. John Kempf, Jr., Superintendent. Price of gas, $3.00. Ju.

SALT LAKE CITY. *Salt Lake City Gas Co. Capital stock, $750,000. John Henry Smith, President. T. W. Ellerbeck, Secretary and Superintendent. James Jack, Treasurer. Price of gas, $2.50 and $2.75. Operate Western arc and Heisler incandescent electric systems. (See Central Stations.)

VERMONT.

BRATTLEBORO. *Brattleboro Gas Light Co. Capital stock, $50,000; paid in, $24,000. Dr. Henry D. Holton, President. C. F. Thompson, Secretary and Treasurer. A. J. Horton, Superintendent. Annual meeting held in January. Price of gas, $2.50 to $2.70. Operate Thomson-Houston electric system. (See Central Stations.)

BURLINGTON. *Burlington Gas Light Co. Capital stock, $125,000; all paid in. William Wells, President. F. H. Parker, Secretary, Treasurer and Superintendent. Annual meeting held in July. Price of gas, $1.75 to $2.25. Operate Brush and Westinghouse electric systems. (See Central Stations.)

MONTPELIER. Montpelier Gas Light Co. Capital stock, $30,000; all paid in. Geo. W. Scott, President. E. R. Skinner, Vice-President, Secretary, Treasurer and Superintendent. Annual meeting held in July. Price of gas, $2.50. Ju.

RUTLAND. People's Gas Light Co. Capital stock, $70,000; all paid in. W. B. Mussey, President. Geo. R. Battum, Secretary and Treasurer. N. C. Dye, Superintendent. Annual meeting held in July. Price of gas $2.00 to $3.00. V G.

ST. ALBANS. St. Albans Gas Light Co. Capital stock, $50,000. S. T. Bodine, President. Fred. N. Morton, Secretary, Treasurer and Superintendent. Price of gas, $2.75, with discount. G 85.

ST. JOHNSBURY. St. Johnsbury Gas Light Co. E. & T. Fairbanks, Owners. Price of gas, $4.00. Ju.

WINDSOR. Windsor Gas Light Co. Capital stock, $20,000. H. P. McClary, President and Superintendent. L. C. White, Secretary. D. Tuxbury, Treasurer. Price of gas, $3.00. P P G.

WOODSTOCK. Woodstock Gas Light Co. Fredrick Billings, President. Chas. P. Marsh, Secretary. Frank N. Billings, Treasurer. Frederick Chapman, Superintendent. Price of gas, $10.00. P G.

VIRGINIA.

ALEXANDRIA. *Alexandria Gas Light Co. L. McKenzie, President. R. T. Cook, Secretary. M. B. Harlon, Treasurer. L. S. Kirby, Superintendent. Price of gas, $1.80, less 10 per cent. Operate Schuyler arc electric system. (See Central Stations.)

CHARLOTTESVILLE. City Gas Works Co. T. I. Williams, Superintendent. Price of gas, $1.50. Owned by City.

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DANVILLE. *Danville Gas and Water Co. T. S. Williamson, President and Secretary. C. A. Ballon, Superintendent. Price of gas, $1.50. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

FREDERICKSBURG. Citizens' Gas Co. E. Vanderpool, President. C. G. Rockwood, Secretary and Treasurer D. E. Fleming, Superintendent. Annual meeting held in May. Price of gas, $3.00, with discount. Ju.

LYNCHBURG. Lynchburg Gas Light Co. Capital stock, $115,625; all paid in. Robert W. Crenshaw, President. T. H. Ivey, Secretary and Treasurer. Daniel McNamara, Superintendent. Annual meeting held in January. Price of gas, $2.00. W H.

NORFOLK. *City Gas Light Co. Capital stock, $200,000. Chas. Allmand, President and Treasurer. William N. Grubb, Secretary. Thomas A. Bates, Superintendent. Price of gas, $1.40 and $1.85. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

PETERSBURG. Petersburg Gas Light Co. Capital stock, $130,000; all paid in. John G. Dunn, President. Wm. H. Baxter, Secretary and Superintendent. Wm. F. Spotswood, Treasurer. Annual meeting held in February. Price of gas, $1.60 to $2.00. Y H.

PORTSMOUTH. *Portsmouth Gas Co. Capital stock, $80,000. R. C. Marshall, President, Secretary and Treasurer. R. D. Herbert, Superintendent. Price of gas, $2.70 gross; $2.50 net. Operate American arc electric system. (See Central Stations.)

RICHMOND. City Gas Works Co. Capital stock, $1,000,000. Works owned by City. Wm. C. Adams, Superintendent. Price of gas, $1.50.

ROANOKE. Roanoke Gas and Water Co. Capital stock, $500,000; paid in, $200,000. F. J. Kimball, President. H. E. Gerhard, Secretary and Treasurer. F. F. Brinkley, Superintendent. Annual meeting held in May. Price of gas, $2.00, with discount. V V H.

STAUNTON. Staunton Gas Light Co. J. N. Henderson, President. Jas. H. Skinner, Secretary and Treasurer. Jno. T. Long, Superintendent. Price of gas, $2.00. S S H.

SUFFOLK. Suffolk Gas Co. James D. Causey, President. V. C. Beamon, Secretary. D. D. Britt, Treasurer. C. P. Rodwel, Superintendent. Price of gas, $1.50. Ju.

WINCHESTER. *Winchester Gas Co. Capital stock, $36,000. Wm. H. Baker, President. S. P. Hartman, Secretary and Treasurer. T. M. Snapp, Superintendent. Price of gas, $2.00. Operate Schuyler arc electric system. (See Central Stations.)

WASHINGTON.

OLYMPIA. *Olympia Gas and Electric Light Co. Capital stock, $50,000. R. Frost, President. A. H. Chambers, Secretary. A. Farquhar, Treasurer. C. McClelland, Superintendent. Price of gas, $3.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

SEATTLE. *Seattle Gas and Electric Light Co. Dexter Horton, President. N. Penfield, Secretary and Superintendent. Arthur A. Denny, Treasurer. Price of gas, $1.80 to $2.00. Operate American and Thomson-Houston arc electric systems. (See Central Stations.)

SPOKANE FALLS. Spokane Falls Gas Light Co. Capital stock, $100,000. T. C. Hopper, President. A. D. Hopper, Secretary and Treasurer. H. C. Thomson, Superintendent. Price of gas, $2.50, less 5, 7 and 10 per cent. discount. F 85.

TACOMA. Tacoma Light and Water Co. Capital stock, $1,500,000. Theodore Hosmer, President. J. H. Houghton, Secretary and Treasurer. Chas. B. Hurley, Superintendent. Price of gas, $3.00. G 85.

WALLA WALLA. *Walla Walla Gas and Electric Co. Capital stock, $100,000; paid in, $70,000. H. Wadsworth, President. Thomas Quinn, Vice-President. C. E. Burrows, Secretary and Superintendent. Price of gas, $4.00, with discount. Operate Edison electric system. (See Central Stations.)

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WEST VIRGINIA.

CHARLESTON. Charleston Gas Light Co. Capital stock, $80,000; all paid in. Frank Woodman, President and Treasurer. E. B. Knight, Secretary. C. H. Hatcher, Superintendent. Annual meeting held in January. Price of gas, $2.00, with discount. S G.

CHARLESTOWN. Charlestown Gas and Water Co. G. W. T. Kearsley, President. S. S. Dahlgren, Secretary. David Howell, Treasurer. O. M. Darlington, Superintendent. P G.

CLARKSBURG. Clarksburg Gas Co. Capital stock, $20,000; all paid in. Nathan Goff, President. A. G. Smith, Secretary. R. T. Lowndes, Treasurer. E. F. Lowther, Superintendent. Annual meeting held in January. Price of gas, $2.00, with discount. S S H.

GRAFTON. Grafton Gas and Electric Light Co. Capital stock, $20,000; all paid in. W. D. Swain, President. T. Mallence, Secretary. G. Brinkman, Treasurer. C. O. Newlon, Superintendent. Annual meeting held in July. Price of gas, $1.00. R H.

MARTINSBURG. Martinsburg Gas Co. Capital stock, $35,250. H. N. Deatrick, President. F. S. Emmert, Secretary and Treasurer. D. Rollinson, Superintendent. Price of gas, $2.00. S S H.

PARKERSBURG. Parkersburg Gas Light Co. Capital stock, $150,000. W. A. McCash, President. R. Alexander, Secretary and Treasurer. C. S. Despard, Superintendent. Price of gas, $1.60. S Q.

WHEELING. Wheeling City Gas Co. Capital stock, $400,000; all paid in. H. H. Dunlevy, President. A. A. Franzheim, Secretary. S. M. Darrah, Superintendent. Price of gas, 75 cents. Ju.

WISCONSIN.

APPLETON. Appleton Gas Light Co. E. C. Goff, President. S. K. Wambold, Vice-President. L. C. Mainland, Secretary. J. P. Buck, Treasurer. Chas. Lillge, Superintendent. Price of gas, $2.00. Ju.

ASHLAND. *Ashland Lighting Co. Edwin Ellis, President. S. S. Fifield, Vice-President. Wm. Tomkins, Secretary. Thos. Bardon, Treasurer. Geo. W. Marshall, Manager. Annual meeting held in May. Price of gas, $2.00, with discount. Operate Brush and Thomson-Houston electric systems. (See Central Stations.)

BELOIT. Beloit Gas Light and Coke Co. Capital stock, $67,825; all paid in. J. R. Adams, President. J. Hendley, Secretary, Treasurer and Superintendent. Price of gas, $2.00 to $2.25. V G.

BARABOO. Baraboo Gas and Electric Co. Capital stock, $30,000. R. H. Cowan, President. M. A. Warren, Secretary and Treasurer. W. F. Wockler, Superintendent. Price of gas, $2.00. Ju.

CHIPPEWA FALLS. Chippewa Falls Gas Light Co. Capital stock, $50,000. L. C. Stanley, President. L. M. Newman, Secretary and Treasurer. Price of gas, $2.00. S G.

EAU CLAIRE. *Eau Claire Gas Co. Capital stock, $45,000. M. Griffin, President. David Drummond, Secretary and Treasurer. A. R. Morgan, Superintendent. Price of gas, $3.00. Operate Brush arc and National incandescent electric systems. (See Central Stations.)

FOND DU LAC. *Fond du Lac Gas Light Co. Capital stock, $30,000. Joseph Andrews, President. Wm. Mainland, Secretary. John Rodgers, Treasurer. T. J. Murphy, Superintendent. Price of gas, $2.00 and $1.75. Operate Brush arc electric system. (See Central Stations.)

GREEN BAY. *Green Bay Gas Light and Fuel Co. Capital stock, $2,000. S. D. Hastings, President. Carroll Collins, Secretary, Treasurer and Superintendent. Price of gas,

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$1.90 to $2.25. Operate Green Bay and Howard Western electric systems. (See Central Stations.)

JANESVILLE. New Gas Light Co. Capital stock, $75,000. N. J. Rees, President. Hiram Merrill, Secretary, Treasurer and Superintendent. Price of gas, $1.50 and $2.00. S S H.

KENOSHA. Kenosha Gas and Electric Light Co. Leased by Gray & Bartholomew. Fred. W. Bates, Superintendent. Price of gas, $1.50. V G.

LA CROSSE. La Crosse Gas Light Co. Capital stock, $150,000. James Vincent, President. George McMillan, Secretary, Treasurer and Superintendent. Price of gas, $1.50 and $2.00. W H.

MADISON CITY. Madison City Gas Light and Coke Co. Capital stock, $55,000. M. E. Fuller, President. John Corscott, Secretary and Treasurer. John Mullaney, Superintendent. Price of gas, $1.50 to $2.50. V V H.

MARINETTE. *Marinette Gas Light Co. Capital stock, $50,000. Thomas Higgins, President. C. M. Fairchild, Secretary. A. C. Ackerman, Treasurer. H. C. Higgins, Manager. Price of gas, $1.50. Operate Brush arc and incandescent electric systems (See Central Stations.)

MILWAUKEE. Milwaukee Gas Light Co. H. H. Button, President. G. Kremers, Secretary and Treasurer. E. G. Cowdrey Superintendent. Price of gas, $1.00 and $1.20. Ju.

NEENAH. *Neenah and Menasha Gas and Electric Co. Capital stock, $40,000. E. L. Matherson, President. Thomas Higgins, Secretary and Superintendent. Edward Smith, Treasurer. Price of gas, $2.00. Operate Thomsom-Houston arc and Edison incandescent electric systems. (See Central Stations.)

OSHKOSH. *Oshkosh Gas Light Co. Capital stock, $100,000; all paid in. Joseph Andrews, President. Wm. Mainland, Secretary and Superintendent. John Rodgers, Treasurer. Annual meeting held in July. Price of gas $2.00 net. Operate Brush electric system. (See Central Stations.)

PORTAGE. Portage American Gas Co. M. T. Alverson, President. J. B. Taylor, Secretary. Chas. V. Grant, Treasurer. J. H. Daily, Superintendent. Price of gas, $2.50, 50 cents discount. S S H.

RACINE. Racine Gas Light Co. Capital stock, $100,000; all paid in. Joseph Andrews, President. John Rodgers, Secretary, Treasurer and Superintendent. Annual meeting held in June. Price of gas, $1.40 to $2.00. Ju.

RIPON. Ripon Lighting Co. Capital stock, $25,000; all paid in. Thos. Higgins, President. E. H. McNeil, Vice-President. H. P. Cody, Secretary and Treasurer. J. Oyster, Superintendent. Annual meeting held in May. Price of gas, $2.00. S S H.

SHEBOYGAN. Sheboygan National Gas Co. J. J. Russell, Manager. Price of gas, $1.80 to $1.50. S S H.

SUPERIOR. *Superior Water, Light and Power Co. Capital stock, $1,000,000; all paid in. A. H. Wilder, President. N. M. Watkins, Vice-President and Treasurer. F. A. Ross, Secretary. John Mather, General Manager. Annual meeting held in November. Price of gas, $2.00; fuel, $1.50. Operate Western, Thomson-Houston and Westinghouse electric systems. (See Central Stations.)

WATERTOWN. Watertown Gas Co. Capital stock, $24,000; all paid in. John Ford, President. Calvin Cheney, Secretary. George Hawkins, Treasurer. Chas. MacKay, Superintendent. Annual meeting held in July. Price of gas, $1.60, $1.80 and $2.00. S G.

WAUSAU. Wausau Gas Light and Coke Co. Capital stock, $60,000; all paid in. D. L Plumer, President and Treasurer. Fred. P. Corwith, Secretary. John H. Farrell, Superintendent. Annual meeting held in January. Price of gas, $2.00. S S H.

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WYOMING.

CHEYENNE. Cheyenne City Gas Co. Capital stock, $500,000; paid in, $53,800. F. E. Warren, President. E. R. Hurd, Vice-President. S. B. Tuttle, Secretary and Treasurer. H. Bartlett, Superintendent. Annual meeting held in December. Price of gas, $3.00, with from 10 to 40 per cent. discount. V G.

DOMINION OF CANADA.

BRITISH COLUMBIA.

VICTORIA. Victoria Gas Co. C. W. R. Thomson, President, Secretary and Treasurer. F. Hewlings, Superintendent. Price of gas, $2.00; fuel, $1.25. Ju.

MANITOBA.

WINNIPEG. *Manitoba Gas and Electric Co.* Capital stock, $200,000. W. E. Perdue, President. Wm. Bathgate, Secretary and Treasurer. James Stuart, Superintendent. Price of gas, $2.70 net. Operate Thomson-Houston and Weston arc and Thomson-Houston incandescent electric systems. (See Central Stations.)

NEW BRUNSWICK.

CHATHAM. Chatham Gas Light Co. Capital stock, $17,000. T. F. Gillespie, President. M. S. Hocken, Secretary. R. Hocken, Treasurer. William C. Smythe, Superintendent Price of gas, $3.20. Ju.

FREDERICTON. *Fredericton Gas Light Co. Capital stock, $48,600. M. Richey, President. W. M. Cathels, Secretary, Treasurer and Superintendent. Price of gas, $3.00, with discount. Operate Ball and Waterhouse arc electric systems. (See Central Stations.)

MONCTON. *Moncton Gas, Water and Light Co. Capital stock, $120,000. John L. Harris, President. R. A. Borden, Secretary. C. P. Harris, Treasurer. John Edington, Superintendent. Price of gas, $3.25. Operate Thomson-Houston arc and incandescent electric system. (See Central Stations.)

ST. JOHN. St. John Gas and Electric Co. Capital stock, $269,000; all paid in. Dr. M. Sheffield, President and Manager. George R. Ellis, Secretary and Treasurer. Annual meeting held in June. Price of gas, $1.80. Y H.

NEWFOUNDLAND.

ST. JOHNS. St. Johns Gas Light Co. Charles Bowring, President. F. W. Rennie, Secretary and Treasurer. John Rooney, Superintendent. Price of gas, $2.00. V G.

NOVA SCOTIA.

HALIFAX. *Halifax Gas Light Co. Capital Stock, $400,000; all paid in. D. Farrell, President. R. A. Macintyre, Secretary. Robert Baxter, Superintendent. Annual meeting held in April. Price of gas, $2.00. Operate American, Slattery and Thomson-Houston electric systems. (See Central Stations.)

PICTOU. Pictou Gas Light Co. Fred. Maclenen, President, Secretary, Treasurer and Superintendent. K K F.

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WINDSOR. *Windsor Gas Light Co. Capital stock, $20,000. W. H. Blanchard, President. Arthur J. Lawrence, Secretary and Treasurer. Price of gas, $2.00. Operate Thomson-Houston and United States arc electric systems. (See Central Stations.)

YARMOUTH. Yarmouth Gas Light Co. Capital stock, $36,000. Robert Caie, President. Thomas Killam, Secretary and Treasurer. James W. Burton, Superintendent. Price of gas, $2.00. S G.

*The Merchants and Manufacturers Co. Capital stock, $100,000; all paid in. Robert S. Eakins, President and Treasurer. Edgar N. Clements, Secretary. E. Franklin Clements, General Manager. Annual meeting held in February. Price of gas, $1.50. Operate American electric system. (See Central Stations.)

ONTARIO.

BARRIE. Barrie Gas Co. Capital stock, $27,880. N. Dyment, President. S. Dyment, Secretary and Treasurer. William Littlehales, Superintendent. Price of gas, $2.50, less discount. P P G.

BELLEVILLE. *Belleville Gas Co. Capital stock, $80,000; all paid in. John Bell, President. J. A. Shippen, Vice-President. S. R. Earle, Secretary, Treasurer and Superintendent. Annual meeting held in February. Price of gas, $2.25. Operate Ball electric system. (See Central Stations.)

BERLIN. *Berlin Gas Co., Limited. Capital stock, $45,000. L. J. Breithaupt, President. J. S. Arthes, Vice-President. E. Carl Breithaupt, Secretary, Treasurer and Superintendent. Annual meeting held in March. Price of gas, $2.00 net. Operate Ball arc electric system. (See Central Stations.)

BRANTFORD. Brantford Gas Light Co. Capital stock, $62,000. I. Cockshutt, President. Alex. Robertson, Secretary and Treasurer. R. S. Schell, Superintendent. Alex. Finkle & Co., Lessee. Price of gas, $1.50. Ju.

BROCKVILLE. *Brockville Gas Light Co. Capital stock, $80,000. T. D. Buell, President. T. Wilkinson, Secretary, Treasurer and Superintendent. Price of gas, $2.00 net; fuel, $1.50. Operate Ball and Reliance arc electric systems. (See Central Stations.)

CHATHAM. *Chatham Gas Light Co. Capital stock, $50,000. James Lamont, President, Treasurer and Superintendent. M. Houston, Secretary. Price of gas, $2.00 and $1.75 net; fuel, $1.00. Operate Thomson-Houston, Brush and Ball arc electric systems. (See Central Stations.)

COBOURG. Cobourg Gas Co. Thomas Littlehales, President. E. J. Baker, Secretary, Treasurer and Superintendent. Price of gas, $2.50 and $3.00. Ju.

CORNWALL. Cornwall Gas Co. William Clendenning, President. D. Robertson, Secretary and Treasurer. John H. Dewer, Superintendent. Price of gas, $2.00. Ju.

DESERONTO. The Rathbun Co. Capital stock, $35,000. E. W. Rathbun, President and General Manager. F. S. Rathbun, Secretary and Treasurer. Annual meeting held in March. Price of gas, $1.75; fuel, $1.00. X X X H.

DUNDAS. Dundas Gas Light Co. Capital stock, $40,000. H. C. Hammond, President. Mark B. Thomas, Secretary, Treasurer and Superintendent. Price of gas, $2.00 and $2.25. Ju.

GALT. *Galt Gas Light Co. (See Central Stations.)

GUELPH. *Guelph Gas Co. Capital stock, $100,000. Donald Guthrie, President. John Yule, Secretary, Treasurer and Superintendent. Price of gas, $2.00. Operate Ball electric and Thomson-Houston incandescent electric systems. (See Central Stations.)

HAMILTON. Hamilton Gas Light Co. Capital stock, $300,000. F. W. Gates, President. James Cummings, Vice-President. A. R. Gates, Secretary and Treasurer. Thos. Littlehales, Superintendent. Annual meeting held in March. Price of gas, $1.50; fuel, $1.25 net. W W G.

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INGERSOLL. Ingersoll Gas Co. Capital stock, $20,000. C. W. Noxon, President. Secretary and Treasurer. Walter Mills, Superintendent. Price of gas, $2.50. R H,

KINGSTON. City of Kingston Gas Light Co. Capital stock, $80,000; all paid in. Dr. J. A. Henderson, President. R. Kent, Vice-President. E. Moore, Secretary and Treasurer. John Kerr, Superintendent. Annual meeting held in March. Price of gas, $2.00. W G.

LINDSAY. Consumers' Gas Co. Capital stock, $50,000; paid in, $25,000. J. R. Dundas, President. E. Gregory, Vice-President. F. C. Taylor, Secretary and Treasurer. Jas. Smith, Superintendent. Annual meeting held in May. Price of gas, $3.00. W W G.

LISTOWEL. Listowel Gas Light Co. Capital stock, $25,000; paid in, $15,000. Hay Bros., Owners. F. W. Hay, Secretary and Treasurer. T. L. Male, Superintendent. Annual meeting held in February. Price of gas, $2.00 and $2.50. Ju.

LONDON. City Gas Co. Capital stock, $250,000; paid in, $240,000. Wm. Duffield, President. Thomas Beattie, Vice-President. R. W. Kidner, Secretary and Treasurer. Jas. C. Duffield, Superintendent. Annual meeting held in February. Price of gas, $1.50; fuel, $1.00. W W G.

NAPANEE. Napanee Gas Co. John Herring, President. Jas. E. Herring, Secretary. O. L. Herring, Treasurer. John Goode, Superintendent. Annual meeting held in January. Price of gas, $2.40 net. Ju.

OTTAWA. *Ottawa Gas Co. Capital stock, $300,000. Samuel Howell, President. Alex. Spottal, Secretary and Treasurer. John Holt, Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

OWEN SOUND. Owen Sound Gas Light Co. Capital stock, $50,000; paid in, $25,000. L. J. Parker, President and Manager. Edw. Todd, Vice-President. Wm. Brown, Secretary. John Parker, Treasurer. Annual meeting held in June. Price of gas, $2.00 net. S G.

PETERBORO. Peterboro Gas Co. Capital stock, $40,000. D. W. Dunkle, President. A. A. Stevenson, Secretary and Treasurer. W. Drury, Superintendent. Price of gas, $1.50 and $2.00. S G.

PORT HOPE. Port Hope Gas Light Co. Capital stock, $34,860; all paid in. J. Smart, President. J. F. Henwood, Secretary and Treasurer. Annual meeting held in May. Price of gas, $2.00 net. S S H.

SARNIA. Consumers' Gas Co. Capital stock, $35,000; paid in, $25,280. Thos. Kenney, President. E. Wood, Vice-President and Superintendent. Jas. B. Barrie, Secretary and Treasurer. Annual meeting held in February. Price of gas, $2.00, with discount. Ju.

ST. CATHARINES. St. Catharines and Welland Canal Gas Light Co. Capital stock, $130,000; all paid in. Thos. R. Merritt, President. F. J. Simmons, Secretary and Treasurer. J. D. Carroll, Superintendent. Annual meeting held in April. Price of gas, $1.50 to $2.00; fuel, $1.00. Ju.

STRATFORD. *Stratford Gas Co. Capital stock, $70,000; all paid in. James P. Woods, President. John Reads, Secretary, Treasurer and Superintendent. Annual meeting held in July. Price of gas, $2.00. Operate Ball electric system. (See Central Stations.)

ST. THOMAS. *St. Thomas Gas Co. Capital stock, $60,000. J. Farley, President. M. A. Gilbert, Secretary and Treasurer. H. Brown, Superintendent. Price of gas, $1.75. Operate Thomson-Houston and Reliance arc electric systems. (See Central Stations.)

TORONTO. Consumers' Gas Co. Capital stock, $1,500,000; all paid in. Jas. Austin, President. Larrett W. Smith, Vice-President. W. H. Pearson, Secretary and General Manager. Annual meeting held in October. Price of gas, $1.00, $1.05 and $1.12½. X X X H.

WINDSOR. *Windsor Gas Co. Capital stock, $50,000. M. A. McHugh, President. A. F.

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Nash, Secretary, Treasurer and Superintendent. Price of gas, $2.00. Operate Thomson-Houston arc electric system. (See Central Stations.)

WOODSTOCK. Woodstock Gas Light Co. Capital stock, $75,000; all paid in. James Hay, Jr., President. Samuel McKay, Secretary. E. W. Walborn, Treasurer. W. H. Walborn, Superintendent. Price of gas, $2.00 net. P P G.

PRINCE EDWARD ISLAND.

CHARLOTTETOWN. Charlottetown Gas Light Co. Capital stock, $60,000. Daniel Davies, President. Lemuel McKay, Secretary. Merchants Bank, Prince Edward Island, Treasurer. Price of gas, $2.00. S G.

QUEBEC.

MONTREAL. Montreal Gas Co. Capital stock, $4,000,000; paid in, $2,000,000. Jesse Joseph, President. Hugh McLennen, Vice-President. J. F. Scriver, Manager and Secretary. Annual meeting held in April. Price of gas, $1.40; fuel, $1.00. Ju.

QUEBEC. Quebec Gas Co. Capital stock, $300,000. Robert H. Smith, President. D. H. Greggie, Secretary. John R. Young, Treasurer. Price of gas, $1.80; fuel, $1.25. V G.

ST. HYACINTHE. *Electric Light and Gas Co. Capital stock, $50,000. E. R. Blanchard, President. Louis Brosseau, Secretary, Treasurer and Superintendent. Price of gas, $2.50. Operate Thomson-Houston arc and incandescent electric systems. (See Central Stations.)

SHERBROOKE. *Sherbrooke Gas and Water Co. R. N. Hall, President. E. F. Waterhouse, Secretary and Treasurer. Andrew Sangster, Superintendent. Price of gas, $2.50. Operate Ball, Thomson-Houston and Edison electric systems. (See Central Stations.)

SOREL. Sorel Gas Co. Capital stock, $365,311. O. Lesieur, President. George B. Crebassa, Secretary. E. Trescotte, Treasurer. L. Leclercq, Superintendent. Price of gas, $1.50; fuel, 75 cents. Ju.

THREE RIVERS. Three Rivers Gas Co. Capital stock, $20,000. George B. Houliston, President and Treasurer. Wm. F. Adair, Secretary. Edward Dowle, Superintendent. Price of gas, $2.50. P G.

MEXICO.

CITY OF MEXICO. *Mexican Gas and Electric Light Co. Operate Brush arc electric system. (See Central Stations.)

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STREET RAILROADS.

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LIST OF

STREET RAILROAD COMPANIES.

In the following list those companies preceded by a star (*) indicate that the motive power is, either in whole or in part, electric. Those preceded by a dagger (†) indicate cable roads. For explanation of the ratings, see confidential rate sheet.

ALABAMA.

ANNISTON. Anniston, Oxford and Oxanna Street Railway Co. Capital stock, $75,000; paid in, $50,000. D. T. Hill, President. R. P. Thomason, Vice-President. D. C. Cooper, Secretary and Treasurer. J. B. Allen, Superintendent. Annual meeting held in January. 6 miles, 4-8½ gauge, 20 and 35 lb. rail, 7 cars, 2 horses, 2 dummy engines. P P G.

Anniston City Street Railway Co. J. W. Bigsby, President. Ogden E. Edwards, Secretary, Treasurer and General Manager. 6 miles, 4-8½ gauge, 30 and 35 lb. rail, 9 cars, 45 horses. X X X H.

BIRMINGHAM. Birmingham Union Railway Co. Robert Jemison, President. E. W. Linn, Vice-President. W. L. Timberlake, Secretary. Jas. A. Stratton, Treasurer. 30 miles, 4-8½ gauge, 20 and 40 lb. rail, 55 cars, 175 horses, 5 steam dummies, 12 coaches. F 85.

Birmingham and Forest City Dummy Street Railroad Co. E. Eastman, President and Manager. 4 miles, 4-8½ gauge, 38 lb. rail, 2 dummies, 2 coaches. Ju.

Bessemer and Birmingham Railroad Co. Capital stock, $500,000. R. H. Pearson, President. E. F. Hofford, Secretary. J. B. McClary, Superintendent. $13\frac{56}{100}$ miles, 4½ gauge, 40 lb. rail, 18 cars, steam motor. Ju.

Highland Avenue and Belt Railroad Co. H. M. Caldwell, President. L. P. More, Auditor. W. J. Milner, Secretary. John London, Treasurer. W. W. Barnes, General Manager. 28 miles, 4-8½ gauge, 56 lb. rail, 12 cars, 8 engines. Ju.

CALERA. South Calera Land and Improvement Co. Capital stock, $150,000. 4-8½ gauge, 40 lb. rail, 1 dummy engine. Ju.

DECATUR. Decatur Street Railway Co. W. G. Wharton, President. Samuel D. Wharton, Secretary and General Manager. 5 miles, 4-8 gauge, 20 lb. rail, 7 cars, 50 horses. Ju.

ENSLEY. Ensley Railway Co. Wm. A. Walker, President. T. T. Hillman, Vice-President. J. B. McClary, Secretary, Treasurer and Superintendent. 8½ miles, 4-8½ gauge, 40 lb. rail, 12 cars, 3 motors. Ju.

GADSDEN. Gadsden and Attalla Union Railway Co. Capital stock, $100,000; all paid in. J. M. Elliott, Jr., President. M. L. Foster, Secretary and Treasurer. Bert Pratt, Superintendent. 7½ miles, 60 lb. rail, 4 cars, 2 Baldwin steam motors. Ju.

HUNTSVILLE. Huntsville Belt Line and Monte Sano Railway Co. J. F. O'Shaughnessy, President. Arthur Owen Wilson, Secretary and General Manager. 10 miles, 4-8½ gauge, 45 lb. rail, 7 cars. Ju.

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MOBILE. Mobile Street Railway Co. Capital stock, $500,000. W. M. Duncan, President. Gaylord B. Clark, Vice-President. R. K. Warren, Secretary and General Manager. 35 miles, 5-2½ gauge, 35 and 60 lb. rail, 73 cars, 308 mules and horses, 4 freight cars. Z Z G.

MONTGOMERY. Montgomery Terminal and Street Railway Co. Ignatius Pollak, President. John D. Roquesnove, Vice-President. R. A. Mitchell, Secretary and Superintendent. 9½ miles, 4 gauge, 30 and 42 lb. rail, 28 cars, 139 mules. Ju.

SELMA. The Selma Street Railroad Co. Capital stock, $25,000; all paid in. H. L. McKee, President, Treasurer and Superintendent. B. J. Schuster, Secretary. Annual meeting held in July. 7½ miles, 4-9 gauge, 20 and 35 lb. rail, 13 cars, 7 horses, also run steam motors. P P F.

Selma Dummy and Horse Car Line. H. L. McKee, President. B. J. Schuster, Secretary. W. W. Pierce, Superintendent. 7½ miles, 4-9 gauge, 20 and 25 lb. rail, 12 cars, 6 horses, 2 dummies. Ju.

SHEFFIELD. Sheffield Street Railway Co. Capital stock, $50,000. H. B. Tompkins, President. P. N. Totten, Assistant Superintendent. M. McTyer, Secretary. C. D. Woodson, Treasurer. W. S. White, Superintendent. 9 miles, 4-8½ gauge, 35 lb. rail, 5 cars, 2 steam motors. V G.

TUSCALOOSA. Tuscaloosa Belt Railway Co. Capital stock, $200,000; paid in, $25,000. W. C. Jemison, President. Jno. S. Rainey, Vice-President. Geo. P. Ayers, Secretary, Treasurer and Superintendent. Annual meeting held in January. 2½ miles, 4-8½ gauge, 35 lb. rail, 1 steam motor. Ju.

Tuscaloosa and Lake Lorraine Street Railway Co. James H. Fitts, President. S. F. Alston, Secretary, Treasurer and Superintendent. Annual meeting held in February. 4 miles, 25 lb. rail, 8 cars, 40 horses. This line is owned by the Tuscaloosa and Castle Hill Real Estate and Manufacturing Co. Ju.

UNION SPRINGS. Union Springs Street Car Co. Capital stock, $10,000. Wm. Stakley, President. T. H. Mabson, Jr., Secretary and Treasurer. A. D. Fielder, Superintendent. 2 miles, 5-1 gauge, 20 lb. rail, 4 freight cars, 4 mules, 1 or 2 cars for passengers. M M G.

ARIZONA.

PHŒNIX. Phœnix Street Railway Co. M. H. Sherman, President. J. McMillan, Secretary. 3 miles, 3-6 gauge, 20 lb. rail, 2 cars. Ju.

ARKANSAS.

FORT SMITH. Fort Smith Street Railroad Co. Samuel McLoud, President and General Manager. Benjamin T. Duvail, Vice-President. Geo. T. Sparks, Secretary and Treasurer. W. A. Ewens, Superintendent. 8 miles, 3-6 gauge, 38 and 45 lb. rail, 22 cars, 60 horses. Ju.

HELENA. Helena Street Railway Co. C. W. Cannon, President. H. M. Parchen, Vice-President. H. L. Walker, Secretary and Treasurer. W. H. Baker, Superintendent. 3½ miles, 4-8½ gauge, 25 and 38 lb. rail, 8 two-horse cars, 40 horses. Ju.

HOT SPRINGS. Hot Springs Street Railroad Co. Capital stock, $100,000; all paid in. S. W. Fordyce, President. J. B. Fordyce, Secretary. C. Y. Conners, Superintendent. Annual meeting held in June. 7.9 miles, 4-8 gauge, 25 and 35 lb. T rail, 21 cars, 110 mules. V G.

LITTLE ROCK. Capital Street Railway Co. Capital stock, $300,000; all paid in. H. G. Allis, President. George B. Rose, Vice-President. H. J. Bradford, Secretary, Treasurer and Superintendent. Annual meeting held in April. 14½ miles, 4-10 gauge, 38, 48 and 56 lb. rail, 35 cars, 350 horses. Ju.

City Electric Railway Co. J. B. Jones, President and General Manager. 7½ miles, 4-8½ gauge, 35 lb. rail, 14 cars, steam dummy. Ju.

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PINE BLUFF. The Citizens' Street Railway Co. Capital stock, ——— ; paid in, $72,000. Jno. M. Taylor, President. H. P. Bradford, Vice-President and Superintendent. Jno. O'Connell, Secretary. H. H. Hunn, Treasurer. Annual meeting held in January. 6½ miles, 4-8½ gauge, 35 lb. rail, 18 cars, 90 mules. Ju.

SEARCY. Searcy and West Point Railroad Co. J. E. Skillern, President. E. A. Robbins. Vice-President. W. S. Lay, Secretary. Jasper Hicks, Treasurer. W. H. Lightle, Superintendent. Annual meeting held in January. 9 miles, 4-8½ gauge, 35 lb. rail, 3 cars, 1 dummy engine. Ju.

TEXARKANA. Texarkana Street Railway Co. J. Dutchman, President. F. W. Offenhauser, Secretary. G. W. Fouke, Treasurer. B. M. Foreman, Superintendent. 4 miles, 4 gauge, 30 lb. rail, 8 cars, 50 mules. S S H.

CALIFORNIA.

ALHAMBRA. Alhambra and Pasadena Street Railway Co. A. C. Weeks, President. A. E. Pomeroy, Vice-President. C. T. Adams, Secretary. F. D. Story, Treasurer. Sam. Drake, Manager. 3 miles, 3-6 gauge, 16 lb. rail, 3 cars, 8 horses. Ju.

ALAMEDA. Alameda, Oakland and Piedmont Railroad Co. Theo. Meetz, President and Purchasing Agent. Louis Fassking, Vice-President. Rudolph Mohr, Secretary. Walter Blair, Treasurer. 5 miles, 3 gauge, 16 and 20 lb. rail, 5 closed and 8 open cars, 25 horses. Ju.

COLTON. Colton and San Bernardino Railway Co. F. M. Clark, President. F. D. French, Secretary and Manager. 3½ miles, 4-8½ gauge, 15 lb. rail, 1 car, 4 horses. Ju.

EUREKA. Eureka Street Railway Co. R. M. Fernald, President. B. B. Deming, Secretary. E. A. Deming, Treasurer. J. Sowash, Superintendent. 3 miles, 4-8½ gauge, 34 lb. rail, 5 cars, 25 horses. M M F.

FRESNO. Fresno Street Railroad Co. Capital stock, $200,000; paid in, $24,600. J. R. White, President. F. G. Berry, Vice-President. Ed. Dangler, Secretary and Treasurer. Jos. Cullen, Superintendent. Annual meeting held in January. 2½ miles, 3 cars, 6 horses. Ju.

Fresno, Belmont and Yosemite Railroad Co. Capital stock, $500,000. E. C. Winchell, President. C. G. Sayle, Vice-President. A. M. Drew, Secretary. O. J. Woodward, Treasurer. 2½ miles, 4-8½ gauge, 20 lb. rail, 3 cars, 8 horses. Ju.

LOS ANGELES. Los Angeles Cable Railway Co. C. B. Holmes, President. J. C. Robinson, Vice-President and Superintendent. J. J. Akin, Secretary and Treasurer. 47¼ miles, 3-6 and 4-8 gauge, 16 and 40 lb. rail, 56 cars, 316 horses. Ju.

*The Electric Rapid Transit Co. Capital stock, $500,000. D. McFarland, President. B. Roberts, Vice-President. W. W. Manspeaker, Secretary and Treasurer. F. G. Hentig, Superintendent. Annual meeting held in May. 8 miles, 4-8½ gauge, 20 lb. rail, 16 cars. Sprague system. Company also operates a road in Topeka, Kan. Ju.

Los Angeles and Vernon Street Railway Co. Capital stock, $90,000. D. G. Stephens, President. Chas. E. Day, Vice-President. F. A. Gibson, Secretary. J. D. Bicknell, Treasurer. 6 miles, 4-8½ gauge, 20 lb. T, 27 and 40 lb. comb. rail, 8 cars, 50 horses. Ju.

Main Street and Agricultural Park Railway Co. Capital stock, $200,000; all paid in. W. J. Broderick, President. T. E. Rowan, Vice-President. A. C. Taylor, Secretary. William Hawks, Superintendent. Annual meeting held in July. 6½ miles, 3-6 gauge, 16 lb. rail, 33 cars, 163 horses. Ju.

Second Street Cable Railway Co. Jas. McLoughlin, President and Treasurer. Edgar L. Swaine, Secretary and Superintendent. 8½ miles, 3-6 gauge, 16 lb. rail, 7 cars. Ju.

†Temple Street Cable Railway Co. Capital stock, $400,000; paid in, $254,000. P. Beaudry, President. O. Morgan, Vice-President. F. W. Ward, Manager and Secretary. 4½ miles, 3-6 gauge, 38 lb. rail, 10 cars, cable system.

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MARYSVILLE. City Passenger Railroad Co. D. E. Knight, President. W. T. Ellis, Jr., Secretary. 4 miles, T rail, 4 cars, 8 horses. Ju.

ONTARIO. Ontario and San Antonio Heights Railroad Co. Capital stock, $150,000; all paid in. C. E. Harwood, President. Chas. Frankish, Vice-President and Superintendent. W. E. Collins, Secretary. 8½ miles, 4–8½ gauge, 30 lb. rail, 2 cars, 6 horses. Ju.

OAKLAND. Broadway, Berkeley and Piedmont Railroad Co. W. B. Morse, President. S. Howe, Secretary. M. Howe, Treasurer and Superintendent. 9 miles, 5 gauge, 40 lb. rail, 24 cars, 100 horses. Ju.

Fourteenth Street Railroad Co. P. J. Van Lobensels, President. Montgomery Hawe, Vice-President. W. W. Britton, Secretary. W. B. Morse, Superintendent. 10 miles, 5 gauge, 25 and 40 lb. rail, 12 cars, 75 horses. Ju.

Oakland Street Railroad Co. Owners, P. I. Co. Geo. Y. Loring, Superintendent. 8 miles, 3 gauge, 60 lb. T rail, 11 cars, 91 horses. Ju.

Oakland, Brooklyn and Fruit Vale Railroad Co. Owners, P. I. Co. Geo. Y. Loring, Superintendent. 2½ miles, 5 gauge, 35 lb. flat rail, 6 cars, 53 horses. Ju.

†Oakland Cable Railway Co. Owners, P. I. Co. Geo. Y. Loring, Superintendent. 5½ miles, 4 gauge, 40 lb. iron rail, 12 cars, cable system. Ju.

PASADENA City Railway Co. Capital stock, $50,000. C. W. Buchanan, President. J. B. Lambert, Vice-President. M. D. Painter, Secretary. A. J. Painter, Treasurer and Superintendent. Annual meeting held in December. 5½ miles, 4-8½ gauge, 30 lb. rail, 5 cars, 20 horses. Ju.

Colo. Street Railway Co. Capital stock, $50,000; all paid in. Geo. E. Maharry, President. J. Ellis, Vice-President. E. E. Fordham, Secretary. H. W. Mayce, Treasurer. S. O. McGrau, Superintendent. Annual meeting held in March. 5½ miles, 3-6 gauge, 16 lb. rail, 5 cars, 9 horses. Ju.

POMONA. Orange Grove Street Railroad Co. Capital stock, $25,000; paid in, $18,500. J. D. Casor, President. P. C. Tonnor, Vice-President. W. M. Woody, Secretary, Treasurer and Superintendent. Annual meeting held in January. 4 miles, 3 gauge, 3 cars, 9 horses. Ju.

San Antonio and Holt Avenue Street Railroad Co. Capital stock, $25,000; paid in, $12,500. H. Eno, President. C. E. White, Vice-President. H. S. Finney, Secretary. O. F. Griffin, Treasurer. Annual meeting held in October. 2½ miles, 3-6 gauge, 16 lb. rail, 3 cars, 5 horses. N. Q.

RIVERSIDE. Riverside and Arlington Railway Co. Capital stock, $200,000; paid in, $62,000. S. C. Evans, President. A. S. White, Vice-President. F. A. Miller, Secretary. J. S. Castleman, Treasurer. G. O. Newman, Superintendent. 10 miles, 5 cars, 16 mules. R F.

SACRAMENTO. Sacramento City Railway Co. R. S. Cary, Proprietor. E. R. Mott, Secretary and Treasurer. V. J. Chamberlain, Superintendent. 7½ miles, 5 gauge, 16 to 35 lb. rail, 30 cars, 100 horses. Ju.

Highland Park Railway Co. 1½ miles, 5 gauge, 16 lb. rail, 4 cars, 10 horses. Ju.

Central Street Railway Co. Robt. T. Devlin, President. W. T. Landens, Vice-President. E. K. Alsip, Secretary. National Bank (D. O. Mills & Co.), Treasurer. J. Beck, Superintendent. 7 miles, 4-8½ gauge, 25 to 38 lb. I and comb. rail, 20 cars, 10 horses. Ju.

STOCKTON. Stockton Electric Motor Railway Co. 10 miles, 4-8½ gauge, 30 and 45 lb. rail, 15 cars. Ju.

SANTA BARBARA. Santa Barbara Street Railroad Co. Maj. G. H. Bowebrake, President and Treasurer. B. Cross, Secretary. C. R. Diver, Superintendent. 7 miles, 3-6 gauge, 20 lb. T rail, 6 cars, 36 mules.

SAN BERNARDINO. †Southern California Motor Road Co. Capital stock, $1,000,000.

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J. W. Hall, President. Joseph Brown, Vice-President. J. N. Young, Secretary. R. W. Burton, General Manager. 12 miles, 4-8½ gauge, 40 lb. T rail, 11 cars, cable system. Ju.

SAN DIEGO. San Diego Cable Tramway Co. Capital stock, $220,000. Milton Santer, President. O. S. Hubbell, Vice-President. 7 miles, 4-8½ gauge, 16, 20, 30 and 38 lb. rail, 50 cars, 200 horses. Ju.

San Diego Street Car Co. Capital stock, $250,000. Milton Santee, President. N. V. Paddock, Secretary. Jos. A. Flint, Superintendent. 19 miles, 4-8½ gauge, 31 cars, 150 horses. Ju.

San Diego and Old Town Street Railway Co. Capital stock, $100,000. A. G. Gassen, President. A. A. Borchers, Secretary. 11 miles, 4-8½ gauge, 40 lb. rail, 14 cars. Ju.

SANTA ANA. Santa Ana, Orange and Tustin Street Railway Co. Capital stock, $50,000; paid in, $29,260. M. J. Bundy, President and Superintendent. Noah Palmer, Vice-President. M. A. Ross-Lewin, Secretary. Annual meeting held in January. 10 miles, 3-6 gauge, 16 and 25 lb. rail, 6 cars, 18 horses. Ju.

SANTA CRUZ. Pacific Avenue Railroad Co. Thos. Cole, President. E. S. West, Superintendent. 6 miles, 3 gauge, 20 lb. rail, 9 cars, 15 horses. G 85.

SAN FRANCISCO. †California Street Cable Railroad Co. J. B. Stetson, President. Antoine Borel, Vice-President. Albert Stetson, Secretary. A. Borel & Co. Treasurer. J. W. Harris, Superintendent. 6 miles, 3-6 gauge, 34 lb. rail, 50 cars, cable system. Ju.

Central Railroad Co. Chas. F. Crocker, President. J. L. Willcutt, Secretary. N. T. Smith, Treasurer. J. F. Clark, Superintendent. 12 miles, 5 gauge, 45 lb. rail, 57 cars, 254 horses. Ju.

City Railroad Co. Chas. F. Crocker, President. Timothy Hopkins, Vice-President. J. L. Willcutt, Secretary. N. T. Smith, Treasurer. N. J. Bailey, Superintendent. 11 miles, 5 gauge, 45 lb. rail, 67 cars, 266 horses. Ju.

†Clay Street Hill Railroad Co. Owned by the Powell Street Railway Co. 2 miles, 3-6 gauge, 30 lb. rail, 23 cars, cable system.

Geary Street, Park and Ocean Railroad Co. Chas. F. Crocker, President. J. L. Willcutt, Secretary. N. T. Smith, Treasurer. W. H. Emery, Superintendent. 8 miles, 5 gauge, 35 lb. c. b. rail, 60 cars. Ju.

†Market Street Cable Railway Co. Leland Stanford, President. Chas. F. Crocker, Vice-President. J. L. Willcutt, Secretary. N. T. Smith, Treasurer. A. W. Barron, Superintendent. 27 miles, 4-8½ gauge, 37 lb. comb. rail, 212 cars, 89 horses, cable system. Ju.

North Beach and Mission Railroad Co. Albert Meyer, President. H. W. Hathorne, Secretary. Wm. Alvord, Treasurer. M. S. Kelly, Superintendent. 16 miles, 5 gauge, 45 lb. flat rail, 47 cars, 350 horses. Ju.

Ocean Beach Railway Co. Leland Stanford, President. Chas. F. Crocker, Vice-President. J. L. Willcutt, Secretary. N. T. Smith, Treasurer. 2 miles, 4-8½ gauge, operated by Market Street Cable Railway Co. Ju.

Omnibus Cable Co. Gustave Sutro, President. D. Stein, Vice-President. Th. Kraus, Secretary. C. L. Anderson, Superintendent. 23 miles, 5 gauge, 40 and 45 lb. rail, 200 cars, 400 horses. Ju.

Potrero and Bay View Railroad Co. Leland Stanford, President. Chas. F. Crocker Vice-President. J. L. Willcutt, Secretary. N. T. Smith, Treasurer. H. O. Rogers, Superintendent. 8½ miles, 5 gauge, 35 lb. flat and T rail, 10 cars, 61 horses. Ju.

†Powell Street Railway Co. Capital stock, $2,000,000. J. W. Adams, President. Thos. Magee, Vice-President. G. H. Waggoner, Secretary. H. H. Lynch, Treasurer. 11 miles, 3-6 gauge, 40 lb. rail, 42 cars, cable system. Ju.

†Presidio and Ferries Railroad Co. Capital stock, $1,000,000; paid in, $550,000. A. D.

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Sharon, President. Robert Walt, Vice-President. John B. Leighton, Secretary. G. Palache, Treasurer. J. T. Kydd, Superintendent. Annual meeting held in January. 8 miles, 4-8½ gauge, 40 cars, 33 horses, cable system. Ju.

Sutter Street Railway Co. Capital stock, $2,000,000; all paid in. R. F. Morrang, President. J. L. Schmitt, Vice-President. A. K. Stevens, Secretary. M. Schmitt, Treasurer. John McCord, Superintendent. Annual meeting held in June. 6½ miles, 5 gauge, 47 lb. rail, 40 cars, 60 horses. Ju.

Telegraph Hill Railroad Co. Gustav Sutro, President. C. Kohler, Vice-President. Chas. J. Werner, Secretary and Superintendent. 1,560 ft., 4-8½ gauge, 45 lb. rail, 2 cars. Suspended operations, cable taken up and stored away.

Ferries and Cliff House Railway Co. Capital stock, $2,500,000. W. J. Adams, President. W. H. Martin, Vice-President and Treasurer. Geo. H. Waggoner, Secretary. H. H. Lynch, Superintendent. 21.80 miles, cable 3-6 gauge, steam 3 gauge, 90 cars, cable and steam system. Ju.

SAN JOSE. *San Jose and Santa Clara Railway Co. Capital stock, $500,000; paid in, $300,000. J. H. Henry, President and Manager. F. C. Franck, Vice-President. C. M. Wooster, Secretary. Annual meeting held in June. 4 miles, 3 gauge, 20 and 40 lb. rail, 31 cars, 65 horses, Thomson-Houston system. Ju.

First Street Railroad Co. Jacob Rich, sole owner. E. M. Rosenthal, Secretary. 4½ miles, 3 gauge, 20 lb. rail, 7 cars, 30 horses. Ju.

First Street and San Pedro Street Depot Railroad Co. Frank C. Bethel, President. Ju.

North Side Horse Railroad Co. Jacob Rich, President. E. M. Rosenthal, Secretary. S. A. Bishop, Treasurer. 2½ miles, 3 gauge, 16 lb. rail, 3 cars, 10 horses. Ju.

Willow Glen Railroad Co. Jacob Rich, sole owner. E. M. Rosenthal, Secretary. 7½ miles, 3 gauge, 20 lb. rail, 8 cars, 30 horses. Ju.

SAN LUIS OBISPO. San Luis Street Railway Co. Paid in capital, $20,000. Owned by West Coast Land Co. C. H. Phillips, Secretary and Superintendent. 2½ miles, 3 gauge, 16 lb. rail, 5 cars, 8 horses. Ju.

SANTA ROSA. Santa Rosa Street Railway Co. M. L. McDonald, President and Treasurer. J. B. Reed, Secretary and Superintendent. 2 miles, 3-6 gauge, 32 lb. tram rail, 4 cars, 6 horses. Ju.

WOODLAND. Woodland Street Railway Co. T. M. Prior, President. J. D. Lawson, Secretary and Superintendent. A. D. Potter, Treasurer. 1 mile, 3 gauge, 20 lb. rail, 3 cars, 4 horses. Ju.

COLORADO.

ASPEN. Aspen Railway Co. 75.

COLORADO SPRINGS. *El Paso Rapid Transit Co. 10 miles, 12 cars, Sprague electric system. Ju.

DENVER. Denver City Railway Co. Geo. H. Holt, President. B. A. Jackson, Vice-President. G. D. L'huilier, Secretary. G. E. Randolph, Treasurer. A. L. Perry, Superintendent. 50 miles, 3-6 gauge, 20 lb. rail, 95 cars, 600 horses. Ju.

*The University Park Railway and Electric Co. Capital stock, $75,000; paid in, $40,000. Milo A. Smith, President. George W. Bailey, Vice-President and Treasurer. S. G. Collins, Secretary and Superintendent. Annual meeting held in May. 4 miles, 3-6 gauge, 30 lb. rail, 6 cars, Sprague system. G 85.

*†The Denver Tramway Co. Capital stock, $1,000,000; all paid in. Rodney Curtiss, President. J. J. Riethman, Vice-President. W. G. Evans, Secretary. J. A. Cooper, Treasurer. C. K. Durbin, Superintendent. Annual meeting held in January. 22 miles, 3-6 gauge, 35 lb. rail, 110 cars, 4 miles electric and 18 miles cable system. Ju.

*Colfax Avenue Electric Railway Co. M. A. Smith, President. S. M. Perry, Vice-President. E. P. Wright, Secretary. F. J. Chamberlin, Treasurer. 6 miles, 3-6 gauge, 45 lb. T rail, 8 cars, Sprague system. Ju.

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*Denver and Berkeley Park Rapid Transit Co. Capital stock, $300,000. T. J. Green, President. J. F. Karper, Vice-President. J. A. Valentine, Secretary. 5 miles, 3-6 gauge, 30 lb. T rail, 14 cars, Sprague system. Ju.

†Denver City Cable Railway Co. Geo. H. Holt, President. H. M. Gilligan, Secretary. G. E. Randolph, General Manager. 22 miles, 3-6 gauge, 60 prov. girder rail, cable system. H 85.

PUEBLO. Pueblo City Railway Co. 75.

TRINIDAD. Trinidad Street Railway Co. Capital stock, $100,000; paid in, $40,000. Sol. H Jaffa, President. M. Lenhart, Vice-President. D. A. Chappell, Secretary and Treasurer. J. B. Holland, Superintendent. Annual meeting held in February. 3 miles, 3 gauge, 25 lb. rail, 6 cars, 36 horses. F 85.

CONNECTICUT.

BIRMINGHAM. Birmingham and Ansonia Street Railroad Co. 3 miles, 4-8½ gauge, 35 lb. side-bearing rail, 6 cars, 26 horses. Franchise and roadbed sold; ¼ mile operated by Derby Street Railway Co.

*Derby Street Railroad Co. (Birmingham and Ansonia). H. H. Wood, President. Chas. F. Bliss, Vice-President. Geo. O. Schneller, Secretary. Chas. E. Clark, Treasurer. B. W. Porter, Superintendent. Annual meeting held in April. 4 miles, 4-8½ gauge, 45 lb. rail, 5 cars, Thomson-Houston system. Ju.

BRIDGEPORT. Bridgeport Horse Railroad Co. F. Hurd, President and Treasurer. Thos. B. Lashar, Secretary. B. F. Lasher, Superintendent. 6½ miles, 4-8½ gauge, 42 lb. rail, 20 cars, 100 horses. Ju.

Bridgeport and West Stratford Horse Railroad Co. 75.

DANBURY. Danbury Street Railroad Co. Jno. D. Haines, President. Chas. D. Haines, Secretary and Treasurer. A. G. Haines, Superintendent. 4 miles, 3-6 gauge, 25 lb. T rail, 7 cars, 30 horses. Ju.

Danbury and Bethel Horse Railway Co. D. D. Wylie, President. J. B. McGeorge, Secretary and Treasurer. Rob't J. Wylie, General Manager. 4 miles, 4-8½ gauge, 25 lb. T rail, 16 cars, 100 horses. Ju.

HARTFORD. *Hartford and Wethersfield Horse Railroad Co. E. S. Goodrich, President. Dan'l R. Howe, Secretary. 14 miles, 4-8½ gauge, 48 lb. rail, 68 cars, 295 horses, Sprague system.

MERIDEN. *Meriden Horse Railroad Co. Capital stock, $50,000; all paid in. Geo. R. Curtiss, President. Chas. L. Rockwell, Secretary and Treasurer. Norman McD. Crawford, Superintendent. Annual meeting held in April. 5 miles, 4-8½ gauge, 35 lb. rail, 15 cars, 10 horses, Daft system. Ju.

MIDDLETOWN. Middletown Horse Railroad Co. Capital stock, $23,000; all paid in. John M. Douglas, President. Abel C. Allison, Vice-President. James K. Guy, Secretary and Treasurer. M. S. Burr, Superintendent. Annual meeting held in January. 3 miles, 4-8½ gauge, 36 lb. rail, 9 cars, 36 horses. F 85.

NEW BRITAIN. New Britain Tramway Co. P. C. Dolan, President. P. H. Dolan, Secretary and Treasurer. Annual meeting held in December. 4-8½ gauge, 35 lb. rail, 8 cars, 44 horses. Ju.

NORWALK. Norwalk Horse Railway Co. Capital stock, $50,000; all paid in. James W. Hyatt, President and Secretary. Edwin Hoyt, Superintendent. 4 miles, 4-10 gauge, 48 lb. rail, 9 cars, 40 horses. Ju.

NORWICH. Norwich Horse Railroad Co. J. H. Cunningham, President. T. West, Secretary, Treasurer and Superintendent. 8½ miles, 4-8½ gauge, 20 lb. rail, 14 cars, 39 horses. Ju.

NEW HAVEN. Fair Haven and Westville Railroad Co. H. B. Ives, President. L. Candee, Secretary and Treasurer. Walter A. Graham, Superintendent. 10 miles, 4-8½ gauge, 50 lb. rail, 39 cars, 240 horses. Ju.

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New Haven and Centreville Horse Railroad Co. Cornelius Pierpont, Trustee. 2½ miles, 4-8½ gauge, 42 lb. rail, 9 cars, 45 horses. Ju.

New Haven and West Haven Horse Railroad Co. I. A. Kelsey, President. S. A. Stevens, Secretary. W. W. Ward, Treasurer and Superintendent. 7 miles, 4-8½ gauge, 55 lb. steel T rail, 33 cars, 130 horses. Ju.

State Street Horse Railroad Co. C. A. Warren, President. J. E. Emery, Secretary and Treasurer. 5 miles, 4-8½ gauge, 45 and 50 lb. T and c. b. rail, 11 cars, 70 horses. Ju.

Whitney Avenue Railway Co. Geo. H. Watrous, President. Geo. D. Watrous, Secretary. Eli Whitney, Treasurer. 2½ miles, 4-8½ gauge, 25 lb. rail, 8 cars, 20 horses. Leased to State Street Horse Railroad Co.

SAUGATUCK. Westport and Saugatuck Horse Railroad Co. A. S. Hurlbutt, President. B. L. Woodworth, Secretary and Treasurer. E. S. Downes, Superintendent. 1½ miles, 4-8 gauge, 40 lb. rail, 4 cars, 6 horses. Ju.

STAMFORD. Stamford Horse Railroad Co. Wm. R. Fosdick, President. Wm. W. Gillespie, Vice-President. Robt. A. Fosdick, Secretary and Treasurer. Wm. H. Hay, Superintendent. 5 miles, 4-8½ gauge, 25 lb. T rail, 8 cars, 27 horses. Ju.

SOUTHINGTON. *Southington and Plantsville Tramway and Light Co. J. H. Osborne, President. Chas. K. Mead, Vice-President. T. H. McKenzie, Secretary and Treasurer. 1.8 miles, 4-8½ gauge, 25 lb. T rail, 2 cars, Thomson-Houston system. P P G.

WATERBURY. Waterbury Horse Railroad Co. Capital stock, $50,000; all paid in. D. S. Plume, President. H. S. Chase, Secretary. E. F. Turner, Treasurer. E. A. Bradley, Superintendent. Annual meeting held in July. 5½ miles, 4-8½ gauge, 40 lb. rail, 16 cars, 100 horses. Ju.

DELAWARE.

WILMINGTON. Front and Union Street Railway Co. Capital stock, $30,000; all paid in. Geo. W. Bush, President. S. H. Price, Secretary and Superintendent. E. T. Taylor, Treasurer. 1⅛ miles, 5-2½ gauge, 40 lb. rail, 7 cars, 11 mules and 13 horses. Ju.

*Wilmington City Railway Co. W. Canby, President. John F. Miller, Secretary and Treasurer. H. H. Archer, Superintendent. 9.94 miles, 5-2 gauge, 47 lb. rail, 33 cars, 145 horses. Sprague system. Ju.

DISTRICT OF COLUMBIA.

ANACOSTA. Anacosta and Potomac River Railway Co. Capital stock, $50,000. H. A. Griswold, President and Superintendent. J. B. Pitcher, Secretary and Treasurer. Annual meeting held in July. 2⅜ miles, 4-8½ gauge, 60 lb. rail, 12 cars, 40 horses. Ju.

WASHINGTON. Columbia Railway Co. Capital stock, $400,000. Wm. J. Stephenson, President. E. G. Davis, Vice-President. R. F. Baker, Secretary and Treasurer. Theo. J. King, Superintendent. Annual meeting held in March. 2½ miles, 4-8½ gauge, 60 lb. rail, 20 cars, 100 horses. Ju.

Washington and Georgetown Railroad Co. H. Hurt, President. C. M. Koones, Secretary and Treasurer. C. C. Sailer, Superintendent. 21 miles, 4-8½ gauge, 42 and 80 lb. rail, 137 cars, 950 horses. Ju.

*Georgetown and Tenalley Street Railway Co. Capital, $200,000. John W. Thompson, President. R. H. Goldsborough, Vice-President. 7 miles, 4-8½ gauge, 40 and 80 lb. rail, 6 cars, electric system. 65.

Metropolitan Railroad Co. Geo. W. Pearson, President. A. A. Wilson, Vice-President. Wm. Wilson, Secretary and Treasurer. Wm. N. DeNeale, Superintendent. Annual meeting held in July. 20 miles, 4-8½ gauge, 60 lb. rail, 600 horses. Y Y G.

Capital, North O Street and South Washington Railroad Co. Capital stock, $500,000;

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paid in, $18,000. W. J. Cowing, President. H. K. Gray, Secretary and Treasurer. Andrew Glass, Superintendent. Annual meeting held in May. 7¼ miles, 4-8 gauge, 35 lb. rail, 48 cars, 210 horses. Ju.

FLORIDA.

FORT MEADE. Fort Meade Street Railway Co. Capital stock, $6,000; all paid in. Wm. Beddoes, President. F. N. Varn, Vice-President. F. B. Harless, Secretary. J. G. Carter, Treasurer. Wm. Reif, Superintendent. Annual meeting held in January. 2½ miles, 3 gauge, 25 lb. rail, 3 cars, 2 horses. Ju.

GAINESVILLE. Gainesville City and Suburban Railway Co. Wm. H. Robertson, President. Jas. D. Matheson. Treasurer. R. L. Robb, Superintendent. 1½ miles, 4-8½ gauge, 20 lb. T rail, 5 cars, 40 mules. Ju.

JACKSONVILLE. Jacksonville Street Railroad Co. H. S. Haines, President. Geo. R. Foster, Secretary. J. M. Lee, Treasurer. G. W Haines, Superintendent. Annual meeting held in March. 10 miles, 5 gauge, 25 and 30 lb. rail, 33 cars, 125 mules. X X X H.

Pine Street Railway Co. 75.

KEY WEST. Key West Street Railway Co. 75.

ORLANDO. Orlando Street Railway Co. Capital stock, $5,000; all paid in. M. L. Miller, Vice-President. J. D. Beggs, Secretary and Treasurer. W. M. Mathews, Superintendent. Annual meeting held in December. 2½ miles, 22 lb. rail, 3 cars, 10 horses. Ju.

PALATKA. Palatka and Heights Street Railway Co. Capital stock, $10,000; all paid in. Wm. Craig, President. Marcus Loab, Secretary. W. J. Winegar, Treasurer. D. H. Boyd, Superintendent. Annual meeting held in February. 2 miles, 3 gauge, 30 lb. rail, 2 cars, 2 horses. Ju.

PENSACOLA. Pensacola Street Car Co. Capital stock, $50,000; all paid in. A. V. Clubbs, President. W. A. Blount, Secretary. Thos. C. Watson, Treasurer. S. F. Chipley, Superintendent. Annual meeting held in January. 3 miles, 8 cars, 35 horses. Ju.

TALLAHASSEE. Tallahassee Railway Co. 75.

TAMPA. Tampa Street Railway Co. Capital stock, $50,000; all paid in. E. Monnie, President. Geo. T. Chamberlain, Secretary. C. E. Parcell, Superintendent. Annual meeting held in July. 2½ miles, 3-3 gauge, 25 lb. rail, 8 cars, steam motor system. S S G.

People's Railroad Co. Capital stock, $300,000. J. R. Swan, President. Daniel Candee, Vice-President. S. A. Beardsley, Secretary. 5½ miles, 4-8½ gauge, 45 cars, 165 horses. Ju.

GEORGIA.

AMERICUS. *Americus Street Railway Co. 5½ miles, 4 cars, Thomson-Houston system. Ju.

ATHENS. Athens Railway Co. Capital stock, $50,000; all paid in. E. G. Harris, President. L. A. Michell, Vice-President and Secretary. John A. Voss, Treasurer and Superintendent. Annual meeting held in December. 5 miles, 4 gauge, 16 lb. rail, 9 cars, 40 mules. Ju.

ATLANTA. Atlanta Street Railway Co. Edward C. Peters, President. J. W. Culpepper, Secretary and Treasurer. 14 miles, 4-8½ gauge, 30 and 60 lb. girder and tram rail, 48 cars, 180 horses. Y H.

Metropolitan Street Railroad Co. Capital stock, $100,000; all paid in. A. Haas, President. J. Haas, Vice-President. W. H. Patterson, Secretary and Treasurer. W. E. Chester, Superintendent. Annual meeting held in June. 12 miles, 4-8½ gauge, 35 lb. T rail, 3 horse, 16 motor cars, 25 horses, 8 steam motors. S G.

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West End and Atlanta Street Railroad Co. W. A. Hemphil, President. Aaron Haas, Vice-President. J. W. Culpepper, Secretary and Treasurer. John D. Patterson, Superintendent. 4½ miles, 4-8½ gauge, 20 and 30 lb. T rail, 10 cars, 35 mules. X X X H.

*Atlanta and Edgewood Street Railroad Co. J. Hurt, President. P. H. Harralson, Vice-President. L. Bloodworth, Jr., Secretary and Treasurer. T. T. Walker, Superintendent. Annual meeting held in April. 3½ miles, 4-8½ gauge, 54 lb. rail, 8 cars, Thomson-Houston system. Ju.

*Fulton County Street Railroad Co. L. J. Hill, President. W. S. Thomson, Secretary. L. D. Nelson, Superintendent. 9½ miles, 4-8½ gauge, 45 lb. rail, 10 motor and 6 tow cars, Thomson-Houston system. Ju.

AUGUSTA. *Augusta Railway Co. Capital stock, $300,000; all paid in. D. B. Dyer, President. S. M. Jarvis, Vice-President. R. M. Spirey, Secretary. R. R. Conklin, Treasurer. Annual meeting held in February. 14 miles, 4-8½ gauge, 35 and 50 lb. rail, 21 cars, Sprague system. Ju.

Augusta and Summerville Railroad Co. Patrick Walsh, President and Treasurer. Edw. G. Mosher, Secretary and Superintendent. 10 miles, 5 gauge, 30 lb. T rail, 27 cars, 26 horses, 88 mules. Y H.

BRUNSWICK. Brunswick Street Railroad Co. C. P. Goodyear, President. D. A. Kendall, Vice-President. U. Dart, Secretary and General Manager W. E. Kay, Treasurer. 4½ miles, 4-8½ gauge, 38 lb. steel rail, 6 cars, 25 horses. Ju.

CARROLLTON. Carrollton Street Railway Co. Capital stock, $20,000; paid in, $15,000. Henry Lanier, Secretary and Manager. 2 miles, standard gauge, 40 lb. rail, 2 cars, dummy engines.

COVINGTON. Covington and Oxford Street Railroad Co. W. C. Clark, President. J. G. Lester, Secretary and Treasurer. 3 miles, 4-8½ gauge, 25 lb. T rail, 6 cars, 10 horses. Ju.

COLUMBUS. Columbus Railroad Co. Louis F. Garrard, President. Cliff B. Grimes, Secretary and Treasurer. J. H. Henderson, Superintendent. 6 miles, 4-8½ gauge, 16 and 25 lb. T rail, 16 cars, 54 horses. F 85.

GAINSVILLE. Gainsville and Hall County Street Railroad Co. Jas. R. Barnes, President. J. W. Smith, Secretary and Treasurer. Robert E. Green, General Manager. 2½ miles, 4-8½ gauge, 20 lb. crescent rail, 5 cars, 8 horses. M M F.

MACON. *Macon City and Suburban Street Railway Co. Geo. F. Work, President. J. H. DeVoe, Secretary and Treasurer. E. E. Winters, Superintendent. 10 miles, 4-8½ gauge, 20 and 30 lb. rail, 30 cars, 60 mules, 4 miles Thomson-Houston system. Ju.

MILLEDGEVILLE. Milledgeville and Asylum Dummy Line Railroad Co. Capital stock, $25,000. S. Barnett, President. 4 miles, 4-8½ gauge, 30 lb. rail, 2 cars, steam system. Ju.

ROME. Rome Street Railroad Co. Capital stock, $20,000. John J. Seay, President. J. Branham, Secretary. J. H. Reynolds, Treasurer. C. M. Seay, Superintendent. 7½ miles, 4-8 gauge, 20, 30 and 40 lb. T rail, 13 cars, 20 horses. Ju.

North and South Street Railway Co. J. A. Stansbury, President. Henry Harvey, Secretary. Jos. J. Printup, Treasurer. 2½ miles, 4-9 gauge, 20 lb. c. b. rail, 3 cars, 14 horses. Ju.

SAVANNAH. City and Suburban Railroad Co. J. H. Johnson, President. A. L. Hartridge, Secretary. E. Schmidt, Treasurer. G. W. Alley, Superintendent. 18½ miles, 5 gauge, 50 lb. steel rail in sub. and 40 lb. c. b. rail in city, 55 cars, 130 horses, steam system. Ju.

Coast Line Railroad Co. Geo. Parsons, President A. G. Drake, Secretary and Superintendent. J. H. Johnson, Treasurer. Annual meeting held in March. 2 miles, 5 gauge, 42 lb. rail, 15 cars, 10 horses. Company also owns an 8 mile steam suburban line. Ju.

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Savannah Street and Rural Resort Railway Co. Capital stock, $10,000; all paid in. W. G. Cooper, President. H. C. Cunningham, Secretary. C. H. Dorsett, Treasurer. Clement Saussy, Superintendent. Annual meeting held in January. 6⅝ miles, standard gauge, 42 lb. rail, 20 cars, 100 horses. N G.

ILLINOIS.

ALTON. Alton and Upper Alton Horse Railway and Carrying Co. Capital stock, $42,200; all paid in. Chas. W. Milnor, President. H. R. Phinney, Secretary, Treasurer and Superintendent. Annual meeting held in June. 2¾ miles, 4-8½ gauge, 40 and 27 lb. rail, 7 cars, 22 horses. Ju.

Alton Improvement Association Co. Capital stock, $25,000; all paid in. Chas. W. Milnor, President. Henry Watson, Vice-President. H. R. Phinney, Secretary, Treasurer and Superintendent. Annual meeting held in May. 3½ miles, 4-8½ gauge, 40 lb. rail, 2 cars, Baldwin steam motor system. Ju.

AURORA. Aurora City Railway Co. S. W. Thatcher, President. A J. Hopkins, Vice-President. T. H. Day, Secretary. D. F. Van Liew, Treasurer and General Manager. 5½ miles, 4-8½ gauge, 28 and 35 lb. rail, 10 cars, 3 horses and 54 mules. S G.

BELLEVILLE. Citizens' Street Railway Co. D. P. Alexander, President. J. E. Thomas, Secretary. Carrie T. Alexander, Treasurer. 4½ miles, 4-8½ gauge, 16 lb. T rail, 9 cars, 24 horses. Ju.

BLOOMINGTON. *Bloomington City Electric Railway Co. Capital stock, $600,000; all paid in. Jno. J. Patterson, President. W. H. Patterson, Secretary and Treasurer. E. L. Barnes, Superintendent. 11 miles, 4-8½ gauge, 45 lb. rail, 5 cars and 12 motors, Daft system. Ju.

Bloomington and Normal Horse Railway Co. 75

CAIRO. Cairo Street Railway Co. Capital stock, $20,000; paid in, $19,500. Henry Wells, President. J. A. Goldstine, Vice-President. Harris Shulze, Secretary. Thomas Leuri, Treasurer and Superintendent. Annual meeting held in November. 4 miles, 3-6 gauge, 16 and 20 lb. rail, 6 cars, 13 horses. R H.

CHAMPAIGN. Champaign Street Railroad Co. J. L. Ray, President. Ju.

CHICAGO. Chicago City Railway Co. Capital stock, $5,000,000; all paid in. C. B. Holmes, President and Superintendent. T. B. Cobb, Vice-President. Henry H. Windsor, Secretary. T. C. Pennington, Treasurer. Annual meeting held in January. 150 miles, 4-8½ gauge, 60 to 83 lb. rail, 1,248 cars, 2,300 horses. X X X H.

Chicago Passenger Railway Co. C. T. Yerkes, President. John B. Parsons, Vice-President. R. C. Crawford, Secretary. Geo. Newton, Treasurer. C. F. Nagle, Superintendent. 27 miles, 4-8½ gauge, 52 and 60 lb. rail, 113 cars, 480 horses. X X X H.

Cicero and Proviso Railway Co. Capital stock, $250,000. D. J. Kennedy, President. T. A. Snow, Vice-President. F. E. Ballard, Secretary. Geo. Eckhart. Work in progress. 65.

North Chicago City Railroad. Chas. T. Yerkes, President. Wm. D. Meeker, Secretary and Treasurer. John M. Roach, Superintendent. 79 miles, 4-8½ gauge, 45 to 67 lb. tram and girder rail, 400 cars, 1,363 horses, 15 miles cable. X X X H.

West Chicago Street Railroad Co. Capital stock, $10,000,000; all paid in. Chas. T. Gerkes, President. John B. Parsons, Vice-President and Superintendent. R. C. Crawford, Secretary. Geo. E. Newlin, Treasurer. Annual meeting held in January. 135 miles, 4-8½ gauge, 63 lb. rail, 1,000 cars, 4,500 horses. Will at once put in cable system on part of road. X X X H.

South Chicago City Railway Co. Douglass S. Taylor, President and Superintendent. Andrew Krimbill, Secretary. C. O. Pomeroy, Treasurer. 6 miles, 1½ miles 35 lb. tram, 3 miles 40 lb. Johnson and 1½ miles T rail, 7 cars, 37 horses. Ju.

DANVILLE. Citizens' Street Railway Co. Capital stock, $20,000; all paid in. Wm.

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P. Cannon, President and Superintendent. A. C. Daniel, Vice-President. A. R. Samuel, Secretary and Treasurer. Annual meeting held in June. 6 miles, 4 gauge, 25 lb. rail, 10 cars, 60 mules. Ju.

DECATUR. *Citizens' Electric Street Railway Co. D. S. Shellabarger, President. W. L. Shellabarger, Secretary. W. L. Ferguson, Treasurer and General Manager. 5 miles, 4-8½ gauge, 20 and 25 lb. T rail, 9 cars, Thomson-Houston system. Ju.

*Decatur Electric Street Railway Co. 3 miles, 4 cars, National system. Ju.

ELGIN. *Elgin City Railway Co. Capital stock, $150,000; all paid in. Geo. G. Lord, President. W. Grote, Vice-President. A. B. Church, Secretary. E. D. Waldron, Treasurer. C. Wuertenfeld, Superintendent. 10 miles, 4-8½ gauge, 40 and 45 lb. rail, 17 cars, Sprague system. Ju.

Elgin Electric Railway Co. 75.

FREEPORT. Freeport Street Railway Co. Jacob Krohn, President. F. C. Platt, Vice-President. W. G. Barnes, Secretary, John B. Taylor, Treasurer and General Manager. 4 miles, 4-8½ gauge, 30 lb. rail, 6 cars, 24 horses. Ju.

GALESBURG. College City Street Railway Co. Capital stock, $40,000; all paid in. L. W. Sanborn, President. C. E. Lanstrum, Vice-President. W. Kellogg, Secretary and Superintendent. J. K. Mitchell, Treasurer. Annual meeting held in July. 5 miles, 4-8½ gauge, 20, 30 and 38 lb. rail, 9 cars, 20 horses. Ju.

JACKSONVILLE. Jacksonville Railway Co. Wm. S. Hook, President. F. J. Hook, Secretary. Marcus Hook, Treasurer. B. F. Sibert, Superintendent. 4½ miles, 4-8½ gauge, 30 and 42 lb. T rail, 12 cars, 30 horses. S G.

JOLIET. *Joliet City Railway Co. J. A. Henry, President. G. H. Monroe, Vice-President. J. Hulsizer, Secretary and Treasurer. A. Bischman, Superintendent. 3½ miles, 4-8½ gauge, 38 lb. imp. Johnson rail, 28 cars, 58 mules and horses, Thomson-Houston system. Ju.

*Joliet Electric Street Railroad Co. 3 miles, 8 cars, Thomson-Houston system. Ju.

LA SALLE. La Salle and Peru Horse and Dummy Railroad Co. F. W. Matthiessen, President. G. Weerts, Secretary. R. Goaf, Treasurer. 3-3 gauge, 20 lb. rail, 2 cars, 3 horses. Ju.

MATTOON. Mattoon Street Railway Co. J. B. Craig, President. Jos. Withington, Secretary. Robert Owens, Treasurer. 5 miles, 4-8½ gauge, steel rail. Ju.

MECHANICSBURG. Mechanicsburg and Buffalo Railway Co. J. B. Hunter, President. H. Thompson, Vice-President. J. T. Fullenweder, Secretary. A. T. Thompson, Treasurer. 7½ miles. 3-10 gauge, 16 and 20 lb. rail, 3 cars, 4 mules. Ju.

MOLINE. *Moline Central Street Railway Co. Capital stock, $10,000; all paid in. W. R. Moore, President. J. B. Cornwall, Vice-President. J. H. Porter, Secretary. C. F. Hemenway, Treasurer. W. A. Reed, Superintendent. Annual meeting held in September. 3 miles, 4-8½ gauge, 30 and 35 lb. T rail, 1 horse and 2 electric cars, 4 horses, Sprague system. G 85.

Moline and Rock Island Street Car Co. Jonathan Huntoon, President. J. M. Buford, Secretary and Treasurer. 5 miles, 4-8½ gauge, 20 lb. crescent tram and T rail, 15 cars, 44 horses. Ju.

Union Street Railway Co. Eugene Lewis, President. W. H. Decker, Vice-President. G. Watson French, Secretary and Treasurer. Jas. Cazatt, Superintendent. 5.4 miles, 4-8½ gauge, 1½ miles 38 lb. Johnson girder, 42 lb. tram rail, 10 cars, 12 mules, 16 horses, steam system. F 85.

OTTAWA. *Ottawa Electric Street Railway Co. T. J. Evans (Council Bluffs), President. Theo. P. Bailey (Chicago), Secretary and Treasurer. H. J. Irwin, Superintendent. 7 miles, standard gauge, 46 lb. rail, 12 cars, Thomson-Houston system. Ju.

Ottawa Street Railway Co. 75.

PEORIA. *Central Railway Co. Capital stock, $500,000; all paid in. J. B. Greenhut,

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President. H. R. Woodward, Vice-President. S. R. Clarke, Secretary. E. Callender, Treasurer. Jas. Finley, Superintendent. Annual meeting held in April. 16 miles, 4-8½ gauge, 40 and 57 lb. rail, 19 motor cars, Thomson-Houston system. Ju.

Fort Clark Horse Railway Co. J. H. Hall, President. Willis Hall, Secretary. H. Detweiller, Treasurer. 10 miles, 4-8½ gauge, 38 lb. Johnson girder rail, 34 cars, 100 horses. Ju.

QUINCY. Quincy Horse Railway and Carrying Co. W. S. Warfield, President. E. J. Parker, Secretary and Treasurer. E. K. Stone, Jr., Superintendent. 6¼ miles, 5 gauge, 36 and 52 lb. Johnson girder rail, 21 cars, 112 mules. W H.

ROCKFORD. Rockford City Railway Co. Capital stock, $150,000; all paid in. R. N. Baylies, President and Superintendent. Levi Rhoades, Vice-President. J. L. Allen, Secretary. W. H. McCutchan, Treasurer. Annual meeting held in March. 6½ miles, 4-8½ gauge, 35 lb. rail, 13 cars, 81 horses, also Thomson-Houston system. V V H.

ROCK ISLAND. Rock Island and Milan Street Railway Co. C. H. Stoddard, President and Superintendent. E. W. Hurst, Secretary. J. F. Robinson, Treasurer. 6½ miles, 4-8½ gauge, 20, 30 and 40 lb. rail, 18 cars, 7 horses. G 85.

SPRINGFIELD. Citizens' Railway Co. Capital stock, $50,000; paid in, $37,000. J. Henry Schuck, President. John Schoeneman, Vice-President. Charles F. Herman, Secretary. Frank Reisch, Treasurer. D. R. Grady, Superintendent. Annual meeting held in July. 9½ miles, 3-6 gauge, 40 lb. rail, 36 cars, 100 horses. Ju.

*Springfield City Railway Co. A. L. Ide, President. Geo. H. Black, Vice-President. Geo. M. Brinkerhoff, Secretary. Wm. Ridgeley, Treasurer. Irwin Johnson, Superintendent. 7 miles, 4-8½ gauge, 30 and 45 lb. rail, 22 cars, 8 horses, Thomson-Houston system. Y H.

STERLING. *The Union Street Railway Co., of Sterling and Rock Falls. Capital stock, $125,000; all paid in A. H. Howland, President. H. C. Ward, Secretary. Geo. A. Ellis, Treasurer. W. J. Watson, Superintendent. 7 miles, standard gauge, 9 cars, Sprague system. Ju.

URBANA. Urbana and Champaign Street Railway Co. Capital stock, $50,000; paid in, $40,000. Frank G. Jaques, Superintendent. Annual meeting held in November. 2 miles, 4-8½ gauge, 30 lb. rail, 5 cars, 20 horses. Ju.

INDIANA.

ANDERSON. Anderson Street Railway Co. Capital stock, $30,000; all paid in D. C. Williams, President and Treasurer. D. C. Chipman, Secretary. H. Heagy, Superintendent. Annual meeting held in June. 3½ miles, 4-8½ gauge, 16 lb. rail, 6 cars, 20 horses. Ju.

ELKHART. *Citizens' Railway Co. Capital stock, $30,000; all paid in. O. N. Lambert, President. J. McNaughton, Vice-President. Jos. Kavanagh, Secretary and Superintendent. F. W. Miller, Treasurer. Annual meeting held in February. 7 miles, 4-8½ gauge, 9 cars, National system. Ju.

EVANSVILLE. Evansville Street Railway Co. Capital stock, $200,000; paid in, $100,000. C. R. Bement, President. John Gilbert, Secretary and Treasurer. T. J. Gist, Superintendent. Annual meeting held in January. 16 miles, 4-8½ gauge, 30 to 47 lb. rail, 58 cars. G 85.

FORT WAYNE. C. L Centhrie Street Railway Co. L. A. Centhrie, President. C. L. Centhrie, Vice-President. S. C. Centhrie, Secretary. J. B. Reuss, Treasurer. 1½ miles, 4-8½ gauge, 45 lb. rail, 4 cars, 10 horses. Ju.

Fort Wayne Street Railroad Co. J. H. Bass, President. S. B. Bond, Vice-President. Jas. M. Barrett, Secretary. A. Bond, Treasurer. L. D. McNutt, Superintendent. 14½ miles, 4-8½ gauge, 30, 40 and 45 lb. steel tram rail, 30 cars, 155 horses. Ju.

GREEN CASTLE. Green Castle City Street Railway Co. Capital stock, $32,000; all paid

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in. Dudley Rogers, President. Dr. A. T. Keightley, Vice-President. J. S. Nutt, Secretary. Ralph Rogers, Treasurer. E. W. Rogers, Superintendent. Annual meeting held in January. 2½ miles, 4-8½ gauge, 24 lb. rail, 4 cars, 8 horses. Ju.

INDIANAPOLIS. *The Citizens' Street Railroad Co. Capital stock, $1,000,000. J. C. Shaffer, President. S. W. Allerton, Vice-President. A. A. Anderson, Treasurer. W. T. Steele, Superintendent. Annual meeting held in May. 60 miles, 4-8½ gauge, 35 to 52 lb. rail, 200 cars, 1,020 horses, also Thomson-Houston system. Y H.

LAFAYETTE. *Lafayette Electric Street Railway Co. G. E. C. Johnson, President. T. J. Levering, Secretary. G. E. C. Johnson, Treasurer. Rice J. Hawver, Superintendent. 4½ miles, 4-8½ gauge, 27, 30 and 52 lb. Johnson steel rail, 12 cars, 5 horses, Sprague system.

LOGANSPORT. Logansport Street Railway Co. Capital stock, $10,000; all paid in. C. T. Christensen, President. E. P. Bromley, Secretary and Treasurer. A. E. Hann, Superintendent. 4 miles, 4 gauge, 30 lb. rail, 9 cars, 40 mules. Ju.

MADISON. Madison Street Railway Co. Capital stock, $13,000; all paid in. Jacob Wendel, President and Superintendent. E. J. Colgate, Secretary. J. W. Thomas, Treasurer. 2½ miles, 4 gauge, 15 lb. rail, 7 cars, 9 mules and 2 horses. R F.

MICHIGAN CITY. Citizens' Street Railway Co. Wm. G. Knight, President. John Lyons, Vice-President. Jacob Henderson, Secretary. Jerry H. Knight, Treasurer. 4 miles, 4-8½ gauge, 30 lb. rail, 4 cars, 15 horses. Ju.

NEW ALBANY. New Albany Railway Co. J. F. Gebhart, President. Alex. Dowling, Secretary. W. C. Crane, Treasurer and Superintendent. 6½ miles, 4-11½ gauge, 25 lb. rail, 19 cars, 70 mules. Ju.

RICHMOND. *Richmond City Railroad Co. J. C. Shaffer, President. W. H. Shaffer, Secretary and Treasurer. 4½ miles, 4-8½ gauge, 25 lb. T rail, 17 cars, Thomson-Houston system. G 85.

SOUTH BEND. *South Bend and Mishawaka Railway Co. Capital stock, $250,000; paid in, $200,000. J. McM. Smith, President. R. N. Baylies, Vice-President. O. S. Baylies, Secretary and Treasurer. G. W. Carse, Superintendent. Annual meeting held in January. 16 miles, 4-8½ gauge, 35 lb. rail, 29 cars, 80 horses, also Thomson-Houston system. Ju.

TERRE HAUTE. Terre Haute Street Railway Co. Capital stock, $133,000. R. W. Rippeton, President. Willard Kidder, Vice-President. Leslie D. Thomas, Secretary and Treasurer. Mike F. Burke, Superintendent. 27 cars, 104 horses. S S H.

Vigo County Street Railway Co. J. H. Blake, President. R. J. Smith, Secretary. M. C. Blake, Treasurer. 4 miles, 4-8½ gauge, 20 lb. rail, 16 cars, 16 horses. Ju.

VINCENNES. Citizens' Street Railroad Co. Geo. W. Graeter, President and Treasurer. 3 miles, 4-8½ gauge, 40 lb. rail, 4 cars, 24 horses. P P G.

IOWA.

BOONE. Boone Street Railway Co. L. W. Reynolds, President. C. J. A. Ericson, Treasurer. John Reynolds, Superintendent. 3 miles, 3 gauge, 20 lb. T rail, 5 cars, 10 horses. Ju.

BURLINGTON. Burlington Street Railroad Co. John Patterson, Owner. C. T. Patterson, Secretary and Treasurer. 3½ miles, 4-8½ gauge, 15 and 22 lb. rail, 9 cars, 24 mules and horses. Ju.

Union Street Railway Co. Geo. A. Duncan, President. F. G. Jones, Secretary, Treasurer and Superintendent. 10½ miles, 4-8½ gauge, various lb. rail, 22 cars, 100 horses. Ju.

CEDAR RAPIDS. Cedar Rapids and Marion Railway Co. W. J. Greene, President. C. Greene, Secretary. G. Greene, Treasurer. Wm. Elsom, Superintendent. 13 miles, 4-8½ gauge, 35 lb. T rail, 22 cars, 44 horses. S G.

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CENTERVILLE. People's Street Railway Co. Capital stock, $12,000; all paid in. J. R. Wooden, President and Superintendent. C. R. Wooden, Secretary and Treasurer. Annual meeting held in July. 2 miles, 3-8 gauge, 24 lb. rail, 2 cars, 13 mules. Ju.

CALLIOPE. Calliope and Hawarden Street Railway Co. E. E. Carpenter, Vice-President and General Manager. Ju.

CLINTON. Lyons and Clinton Horse Railroad Co. D. Joyce, President. W. T. Joyce, Secretary. Frank Crapser, Superintendent. 9½ miles, 3-8 gauge, 30 and 38 lb. T and girder rail, 18 cars, 16 mules, 40 horses. Ju.

COUNCIL BLUFFS. *Council Bluffs Street Railway Co. J. T. Stewart, President. G. F. Wright, Secretary and Treasurer. C. N. Reynolds, Superintendent. 8 miles, 5-8½ gauge, 45 lb. girder rail, 46 cars, electric system.

Lake Manawa Railroad Co. F. C. Reed, President. W. F. Sapp, Secretary. 5 miles, 4-8½ gauge, 25 lb. steel rail, 12 cars, steam system. V G.

DAVENPORT. *Davenport Central Railway Co. Capital stock, $75,000. Wm. L. Allen, President and General Manager. John P. Van Patten, Vice-President. O. L. McNeil, Secretary. John B. Fidlar, Treasurer. John W. Howard, Superintendent. Annual meeting held in November. 2 miles, 4-8½ gauge, 50 lb. rail, 6 motor cars, 6 horses, Sprague system. S S H.

Electric Railway Co. 75.

Davenport City Railway Co. C. B. Holmes, President. E. H. Holmes, Secretary. H. Schnitger, Superintendent. 4 miles, 4-8½ gauge, 40 lb. rail, 17 cars, 42 horses. Ju.

Bridge, Second Street and Northwest Davenport Railway Co. C. B. Holmes, President. E. H. Holmes, Secretary. H. Schnitger, Superintendent. 1½ miles, 4-8½ gauge, 38 lb. Johnson steel rail, 6 cars, 37 horses. Ju.

Davenport and Rock Island Street Railway Co. Chas. H. Deere, President. E. Carl, Secretary. Morris Rosenfield, Treasurer. 5 miles, 4-8½ gauge, 50 lb. rail. Z F.

DES MOINES. *Des Moines Street Railroad Co. Capital stock, $1,000,000; all paid in. J. S. Polk, President. B. F. Kauffman, Vice-President. G. B. Hopper, Secretary. Simon Casady, Treasurer. W. S. Jewell, Superintendent. 4-8½ gauge, 45 and 50 lb. rail, 32 cars, Thomson-Houston system. G H.

Des Moines Rapid Transit Co. C. H. Gatch, President. J. S. Polk, Secretary and Treasurer. 2½ miles, 3 gauge, 30 lb. I rail, 3 cars, steam system. Ju.

Des Moines Electric Railway Co. 10 miles, 4-8½ gauge, 45 lb. rail, 21 cars, Thomson-Houston and Sprague systems. Consolidated with Des Moines Street Railway Co.

Des Moines Belt Line Railway Co. Capital stock, $100,000; all paid in. E T. Sikes, President and Superintendent. Geo. C. Baker, Vice-President. A. B. Cummins, Secretary. Annual meeting held in January. 4½ miles, 3-6 gauge, 30 lb. rail, 6 cars, steam motors. Ju.

DUBUQUE. Dubuque Street Railroad Co. J. A. Rhomberg, President. B. E. Lineham, Secretary. J. H. Rhomberg, Superintendent. 9 miles, 4-8½ gauge, 52 lb. rail, 22 cars, 70 horses. S S H.

*Key City Electric Railway Co. 2 miles, 2 cars, Sprague system. Ju.

*Electric Light, Railway and Power Co. W. L. Allen, President. J. P. Van Patten, Vice-President. E. D. Allen, Secretary. T. O. Swiney, Treasurer. W. F. Griffeth, General Manager. 8 miles, 50 lb. Johnson girder rail, 12 cars, Sprague and Thomson-Houston systems. Ju.

FORT MADISON. Fort Madison Street Railway Co. J. B. Morrison, President. S. S. Benedict, Vice-President. J. T. Ritchie, Treasurer. 3¾ miles, 4-8½ gauge, 20 lb. T rail, 8 cars, 30 horses. Ju.

KEOKUK. *Keokuk Electric Street Railway and Power Co. Capital stock, $200,000.

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M. H. King, President. H. J. Ransom, Vice-President and Treasurer. O. J. Chapman, Secretary and Superintendent. Annual meeting held in June. 7 miles, 4-8½ gauge, 35 and 40 lb. rail, 8 cars, Short system. Ju.

MARSHALLTOWN. Marshalltown Passenger Railway Co. C. C. Gilman, President. A. S. Shorthill, Secretary. J. L. Williams, Treasurer. 3 miles, 4 gauge, 25 lb. T and tram rail, 7 cars, 16 horses. Ju.

MUSCATINE. Muscatine City Railway Co. Fred Dant, President. J. Casskadden, Vice-President. A. G. Butler, Secretary. S. M. Hughes, Treasurer. M. Gardner, Superintendent. Annual meeting held in November. 3½ miles, 7 cars. Ju.

OTTUMWA. *Ottumwa Railway, Electric and Steam Co. W. R. Daum, President. J. W. Garner, Vice-President. Geo. P. Daum, Secretary and Treasurer. 4½ miles, 4-8½ gauge, 40 lb. girder rail, 5 cars, Thomson-Houston system. V G.

RED OAK. Red Oak Street Railway Co. John Hayes, President. E. Hayes, Vice-President. F. M. Byriket, Secretary. Marcus Bonham, Treasurer and Superintendent. 1½ miles, 4-2½ gauge, 20 lb. flat rail, 2 cars, 4 mules. Ju.

SIOUX CITY. *Sioux City Street Railway Co. Capital stock, $300,000; all paid in. James F. Peauly, President. Frank H. Peauly, Vice-President. Craig L. Wright, Secretary and Treasurer. Annual meeting held in January. 12 miles, 4 gauge, 45 lb. rail, 42 cars, Sprague system. Y H.

Sioux City and Highland Park Railway Co. W. W. Byam, President. F. B. Hutchens, Secretary. W. C. Hutchens, Treasurer. S. B. Jackson, Superintendent. 6 miles, 4-8½ gauge, 35 lb. rail, 13 cars, steam system. Ju.

Sioux City Rapid Transit Co. E. C. Peters, President. Jas. A. Jackson, Vice-President. Wm. Gordon, Secretary. A. S. Garretson, Treasurer. 3½ miles, 4-8½ gauge, 35 lb. rail, 4 cars, steam system. V V H.

WATERLOO. Waterloo Street Railway Co. G. D. Cling, President. J. B. Meyers, Vice-President. J. H. Goodrich, Secretary. J. W. Krapfel, Treasurer. 2 miles, 3 gauge, 20 lb. rail, 3 cars, 9 horses. Ju.

KANSAS.

ATCHISON. Atchison Street Railway Co. Capital stock, $150,000; all paid in. John Weber, President. W. T. Bailey, Secretary. Geo. Storck, Treasurer. Geo. T. Ada, Superintendent. Annual meeting held in August. 10½ miles, 4-8½ gauge, 20 to 36 lb. rail, 21 cars, 70 horses. V G.

BELOIT. Beloit City Railway Co. Capital stock, $75,000. D. W. Soper, President. F. T. Burnham, Secretary. M. S. Atwood, Treasurer. 2 miles. Ju.

CLAY CENTRE. Clay Centre City Railway Co. Capital stock, $100,000. G. M. Stratton, President. J. M. Frank, Vice-President. Wm. Sharpe, Secretary and Treasurer. 5 miles, 4-8½ gauge, 24 lb. rail, 4 cars, 14 horses. Ju.

CHETOPA. Chetopa Street Car Co. V. S Roy, President. D. Richards, Secretary. K. H. Peters, Treasurer. P. D. Jeffries, Superintendent. 4 miles, 3-6 gauge, girder rail, 9 cars, 10 mules, 20 horses, Ju.

COTTONWOOD FALLS. Consolidated Street Railroad Co. Capital stock, $10,000; all paid in. W. Adare, President. W. Holsinger, Vice-President and Superintendent. E. W. Tanner, Secretary. J. M. Tuttle, Treasurer. Annual meeting held in January. 2 miles, 4-6 gauge. Ju.

COUNCIL GROVE. Council Grove Street Railway Co. W. H. White, President. H. W. Gildermeister, Secretary and Treasurer. Lewis Mead, General Manager. 1½ miles, 3-6 gauge, 20 lb. rail, 2 cars, 5 horses. Ju.

DIGHTON. Western Kansas Street Railway and Transfer Co. F. P. Stims, President. H. H. Eaton, Secretary. J. D. Jones, Treasurer. 28 miles, 4-6 gauge, 60 lb. rail, 20 cars, 50 horses. Ju.

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EL DORADO. El Dorado City Street Railway Co. John Foutch, President. Robt. H. Hazlett, Secretary. F. P. Gillispie, Treasurer. Ju.

EMPORIA. Emporia City Railway Co. Capital stock, $25,000; paid in, $20,000. V. R. Holmes, President. J. Fluker, Vice-President. J. D. Holden, Secretary. A. F. Crowe, Treasurer. C. V. Holmes, Superintendent. Annual meeting held in January. 3¼ miles, 3-6 gauge, 8 cars, 23 mules. Ju.

FORT SCOTT. *Bourbon County Street Railway Co. Capital stock, $20,000; all paid in. E. W. Brady, President. N. B. Pearsall, Vice-President. S. P. Mosher, Secretary and Manager. A. L. Hughes, Treasurer. W. D. Mitchell, Superintendent. Annual meeting held in January. 7 miles, 4 gauge, 16 and 24 lb. rail, 10 cars, 50 horses. Sprague system. Ju.

GARDEN CITY. Garden Street Railway Co. 75.

HUTCHINSON. Hutchinson Street Railway Co. A. L. Forsha, President. John Severance, Vice-President. Fred. A. Forsha, Secretary and Treasurer. 8 miles, 4-6 gauge, 20 lb. rail, 10 cars, 38 mules, 14 horses. Ju.

KINGMAN. Kingman City Street Railway Co. Capital stock, $25,000. H. Stout, President. S. G. Babcock, Secretary. R. C. Richardson, Treasurer. E. W. Warren, Superintendent. 2½ miles, 3-6 gauge, 16 lb. rail, 10 cars, 60 mules. Ju.

LARNED. Larned Street Railway Co. Capital stock, $30,000; paid in, $5,400. Wm. Scott, President. L. Silvey, Vice-President and Superintendent. G. H. Mize, Secretary. M. K. Kniter, Treasurer. Annual meeting held in September. 1½ miles, 3-6 gauge, 2 cars, 4 horses. Ju.

LEAVENWORTH. Leavenworth Rapid Transit Co. Controlled by K. C. W. & N. W. Raley. 10 miles, 4-8½ gauge, 56 lb. T rail, 15 cars.

Suburban Railway Co. Capital stock, $100,000; all paid in. Geo. A. Baker, President and Superintendent. W. F. Putnam, Secretary. E. G. McInnes, Treasurer. Annual meeting held in March. 5 miles, 22 lb. rail, 16 cars, 50 horses. Ju.

LAWRENCE. Lawrence Transportation Co. Capital stock, $50,000; all paid in. H. Tisdale, President and Treasurer. W. N. Bangs, Secretary. W. McElheny, Superintendent. 5½ miles, 4-1 gauge, 38 lb. rail, 9 cars, 44 horses. Ju.

McPHERSON. McPherson Street Railway Co. Wm. West, President. A. L. Dodge, Secretary. 4 miles, 3 gauge, 20 lb. T rail, 3 cars, 24 horses. Ju.

NEWTON. Newton City Street Railway Co. Capital stock, $60,000; paid in, $20,000. Allen Moore, President and Superintendent. Jas. M. Ragsdale, Vice-President. W. G. Oldfield, Secretary and Treasurer. Annual meeting held in January. 4½ miles, 3 gauge, 20 lb. T rail, 6 cars, 14 horses. Ju.

OTTAWA. Ottawa Street Railway Co. John P. Harris, President. C. D. Crane, Secretary. John W. Pollock, Treasurer. David Miller, Superintendent. 2 miles, 4-8 gauge, 30 lb. rail, 4 cars, 14 horses. Ju.

PRATT. City Railway Co. T. E. Simgison, President. Geo. Kuhns, Secretary. Geo. Stewart, Treasurer. 1½ miles, 4 gauge, 28 lb. rail, 6 cars, 12 horses. Ju.

SALINA. Salina Railway Co. Capital stock, $100,000; paid in, $40,000. E. W. Ober, President and Superintendent. O. Seitz, Vice-President. A. L. Dodge, Secretary. M. D. Teague, Treasurer. Annual meeting held in April. 3 miles, narrow gauge, 20 lb. rail, 4 cars, 16 horses. Ju.

TOPEKA. Topeka City Railway Co. Capital stock, $234,400; paid in, $200,000. Chas. S. Gleed, President. G. H. Nolte, Secretary and Treasurer. E. H. Littlefield, Superintendent. Annual meeting held in February. 6 miles, 4 gauge, 40 lb. rail, 51 cars, 190 horses. Ju.

East Side Street Railway Co. A. G. Bradstreet, Receiver. W. W. Bright, Superintendent. 10 miles, 4-8½ gauge, 35 and 45 lb. T-rail, 12 cars. Ju.

*The Electric Rapid Transit Co. Capital stock, $500,000. D. McFarland, President.

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B. Roberts, Vice-President. W. W. Manspeaker, Secretary and Treasurer. F. G. Hentig, Superintendent. Annual meeting held in May. 8 miles, 4-8½ gauge. 20 lb. rail, 16 cars, Sprague system. Company also operates a road in Los Angeles, Cal. Ju.

The Topeka Rapid Transit Railway Co. Capital stock, $600,000; all paid in. J. B. Bartholomew, President. John Norton, Secretary and Treasurer. Joseph M. Patten, Superintendent. Annual meeting held in January, 18 miles, 4-8½ gauge, 40 lb. rail, 30 motor and 20 trail cars, Thomson-Houston system. Ju.

Topeka Belt Railway Co. Capital stock, $1,000,000; paid in, $334,500. Chas. S. Gleed, President. G. H. Nolte, Secretary. E. H. Littlefield, Superintendent. Annual meeting held in February. 3¼ miles, 4-8½ gauge, 45 lb. rail, 11 cars, 2 steam motors. Ju.

West Side Circle Railway Co. Capital stock, $50,000. Thos. A. Osborn, President. R. A. Delahay, Secretary. P. I. Bonebrake, Treasurer. 5½ miles, 4-8½ gauge, 35 lb. T rail, 7 cars, steam system. W G.

WELLINGTON. Citizens' Street Railway Co. J. G. Woods, President. D. A. Espy, Secretary and Superintendent. J. D. Alexander, Treasurer. 2 miles, 4-8½ gauge, 16 lb. T rail, 5 cars, 14 mules, 6 horses. Ju.

WICHITA. Wichita Electric Railway Co. Capital stock, $1,000,000; paid in, $500,000. J. O. Davidson, President. B. H. Campbell, Vice-President. W. B. Ryder, Secretary. Thos. G. Fitch, Treasurer and Superintendent. 30 miles, 4-8½ gauge, 35 lb. T and 45 lb. girder rail, 71 cars, 225 mules; using 8 motors and 20 trail cars of the Thomson-Houston system on trial. The entire road will be equipped electrically. Ju.

Wichita and Valley Center Motor Railroad and Land Co. E. R. Powell, President. A. C. Race, Secretary. 14½ miles, 4-8½ gauge, 40 lb. T rail, 10 cars, 20 mules. Ju.

WINFIELD. Union Street Railway Co. Capital stock, $150,000; paid in, $30,000. Wm. Mathewson, President. W. J. Kennedy, Secretary. Geo. W. Robinson, Treasurer. C. Ferguson, Superintendent. Annual meeting held in June. 4½ miles, 4 gauge, 16, 20 and 35 lb. rail, 5 cars, 20 horses. Ju.

WYANDOTTE. Inter-State Consolidated Rapid Transit Railway Co. 75.

KENTUCKY.

ASHLAND. Ashland and Catlettsburg Street Railway Co. Capital stock, $50,000; paid in, $12,500. A. C. Campbell, President. S. R. Ireland, Secretary. R. D. Davis, Treasurer. Completed 1 mile, 4-8½ gauge, 45 lb. rail, 3 cars, 6 horses. Will be made electric soon. Ju.

COVINGTON. South Covington and Cincinnati Street Railway Co. E. F. Abbott, President. G. M. Abbott, Secretary and Treasurer. 25½ miles, 5-2½ gauge, 45 lb. rail, 61 cars, 370 horses. Ju.

DAYTON. Newport and Dayton Street Railway Co. 75.

HENDERSON. Henderson Street Railway Co. Capital stock, $100,000. David Banks, Jr., President. John W. O'Brien, Superintendent. 5 miles, 4-8½ gauge, 20 lb. steel rail, 6 cars, 36 horses. N. G.

LEXINGTON. Lexington City Railway Co. Capital stock, $100,000; all paid in. W. J. Longbridge, President. Jno. R. Allen, Secretary. R. P. Stoll, Treasurer. A. G. Morgan, Superintendent. Annual meeting held in May. 9½ miles, 4-10 gauge, 20 lb. rail, 22 cars, 94 horses. Ju.

*Lexington Passenger and Belt Line Railway Co. C. H. Stoll, President. J. S. Keller, Secretary. R. P. Stoll, Treasurer. 12 miles, 4-8½ gauge, 56 lb. rail, Sprague system.

LOUISVILLE. *Kentucky Street Railroad Co. B. Du Pont, President T. C. Donigan, Secretary. 55 miles, 5 gauge, 52 lb. girder rail, 168 cars, 800 horses, Thomson-Houston system.

Central Passenger Railroad Co. B. Du Pont, President. T. C. Donigan, Secretary. 55 miles, 5 gauge, 58 lb. girder rail, 156 cars, 800 mules. Ju.

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Louisville City Railway Co. Capital stock, $1,000,000; all paid in. A. H. Davis, President. John Boyle, Vice-President. R. A. Watts, Secretary and Treasurer. H. H. Littell, Superintendent. 75 miles, 5 gauge, 42 to 60 lb. rail, 260 cars, 1,500 mules. Ju.

Crescent Hill Railroad Co. Leased and operated by Central Passenger Railroad Co.

MAYSVILLE. Street Railroad and Transfer Co. Capital stock, $31,000; all paid in L. W. Robertson, President. W. S. Frank, Secretary, Treasurer and Superintendent. Annual meeting held in April. 3½ miles, 4-8½ gauge, 20 lb. rail, 7 cars, 30 horses. Ju.

MIDDLESBOROUGH. *Middlesborough Street Railway Co. Capital stock, $200.000; paid in, $60,000. C. M. Woodbury, President. 2 miles, 25 lb. rail, 1 car, electric system. Not fully organized.

OWENSBORO. Owensboro City Railroad Co. Capital stock, $25,000. John Gilmore, President. J. D. Powers, Secretary. John Wandling, Treasurer. J. N. Alsop, Superintendent. 4 miles, 4-8½ gauge, 20 lb. T rail, 9 cars, 18 mules. S G.

PADUCAH. *Paducah Street Railway Co. Capital stock, $100,000; paid in, $45,000. Geo. C. Thompson, President. Henry Burnett, Vice-President. A. S. Thompson, Secretary, Treasurer and Superintendent. Annual meeting held in January. 8½ miles, 4-8½ gauge, 30 lb. rail, 16 cars, 30 horses, Sprague system. F 85.

LOUISIANA.

NEW ORLEANS. Canal and Claiborne Railroad Co. Capital stock, $240,000; all paid in. E. J. Hart, President. Jos. H. De Grange, Secretary, Treasurer and Superintendent. Annual meeting held in January. 13 miles, 37 and 45 lb. rail, 40 cars, 200 mules. Z Z H.

Algiers and Gretna Railway Co. J. E. Auvray, President. Wm. Bogel, Secretary. John Reaney, Superintendent. 3.1 miles, 3 gauge, 30 lb. T rail, 3 cars, 17 horses. Ju.

Crescent City Railroad Co. W. J. Behan, President. J. R. Juden, Secretary and Treasurer. A. V. Smith, Superintendent. 26 miles, 5-2½ gauge, 35 and 45 lb. rail, 79 cars, 400 horses and mules. Ju.

New Orleans and Carrollton Railroad Co. Capital stock, $800,000. Joseph Hernandez, President. Walter N. Crouch, Secretary and Treasurer. C. V. Haile, Superintendent. Annual meeting held in January. 17 miles, 4-8½ gauge, 35 lb. rail, 60 cars, 400 horses. Ju.

New Orleans City and Lake Railroad Co. Jos. A. Walker, President. W. E. Leverich, Secretary and Treasurer. F. Wintz, Superintendent. 60 miles, 5-2 gauge, 48 lb. rail, 170 cars, 850 mules. Ju.

Orleans Railroad Co. H. Larquie, President. P. Cougot, Secretary and Treasurer. H. Larquie, Superintendent. 9½ miles, 5-2½ gauge, 35 lb. rail, 32 cars, 155 horses and mules. W W G.

St. Charles Street Railroad Co. Capital stock, $600,000; all paid in. Alden McLellan, President and Superintendent. Vincent Riviere, Secretary. Annual meeting held in January. 11⅛ miles, 5-2 gauge, 40 lb. rail, 64 cars, 260 horses. Z Z G.

SHREVEPORT. *Shreveport City Railroad Co. Peter Youree, President. 1½ miles, 4-4 gauge, 46 lb. rail, 6 cars, 14 horses, Thomson-Houston system. P P G.

MAINE.

BANGOR. *Bangor Street Railway Co. Frederick M. Laughton, President. M. H. Wardwell, Secretary. Frank H. Clergue, Treasurer. 3$\frac{5}{16}$ miles, 4-8½ gauge, 35 lb. rail, 4 cars, Thomson-Houston system. V G.

BIDDEFORD. Biddeford and Saco Railroad Co. Stephen F. Shaw, President. Chas. H. Prescott, Treasurer. 6 miles, 4-8½ gauge, 35 lb. rail, 12 cars, 80 horses. Ju.

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FRYEBURG. Fryeburg Horse Railroad Co. Capital stock, $10,000; paid in, $5,075. Freeman Hatch, President. Seth W. Fife, Secretary and Superintendent. John Locke, Treasurer. Annual meeting held in June. 3 miles, 4-8½ gauge, 16 lb. rail, 3 cars, 1 horse. Ju.

LEWISTON. Lewiston and Auburn Horse Railroad Co. Frank W. Dana, President. H. C. Little, Treasurer. J. E. Fairbanks, Superintendent. 10 miles, 4-8½ gauge, 32 lb. rail, 22 cars, 60 horses. Ju.

PORTLAND. Portland Railroad Co. H. J. Libby, President. E. A. Newman, Treasurer. 10 miles, 4-8½ gauge, 35 and 45 lb. T. and s. b. rail, 48 cars, 224 horses. Ju.

Ocean Street Railway Co. Operated by Portland Railroad Co.

WATERVILLE. Waterville and Fairfield Horse Railroad Co. G. W. Williams, President. D. J. Lord, Treasurer. John S. Brockett, Superintendent. 3¼ miles, 4-8½ gauge, 16 lb. rail, 2 cars, 6 horses. Ju.

MARYLAND.

BALTIMORE. Baltimore and Powhatan Railway Co. E. D. Freeman, President and Treasurer. R. B. Clark, Secretary. Jas. McKitrick, Superintendent. 6 miles, 5-4½ gauge, 30 lb. rail, 5 cars, 22 horses. Ju.

Baltimore City Passenger Railway Co. Capital stock, $1,000,000; all paid in. Oden Bowie, President. S. L. Bridge, Secretary. A. B. Clark, Treasurer. J. M. Blundell, Superintendent. Annual meeting held in January. 51½ miles, 5-4½ gauge, 47 lb. rail, 165 cars, 1,278 horses. Ju.

Highlandtown and Point Breeze Railway Co. Francis Hazlehurst, President. Jos. L. Weitzell, Secretary. Wm. Selfridge, Treasurer. Jas. Smith, Superintendent. Annual meeting held in February. 3 miles, 5-4½ gauge, 35 lb. rail, 25 cars, 100 horses. Ju.

Baltimore Union Passenger Railway Co. N. Perrin, President. Leon Fender, Secretary. E. J. D. Cross, Treasurer. 16 miles, 5-4½ gauge, 47 lb. rail, 62 cars, 344 mules. Ju.

Baltimore, Catonsville and Elliot's Mills Passenger Railway Co. Nelson Perrin, President. W. W. Orndorff, Secretary. E. J. D. Cross, Treasurer. 6 miles, 5-4½ gauge, 35 lb. T rail, 10 cars, 40 horses. Ju.

Baltimore and Yorktown Turnpike Road Co. Sam'l H. Tagart, President. G. A. Campbell, Secretary. A. B. Sanks, Superintendent. 11½ miles, 5-4½ gauge, 25 lb. T and 45 lb. Griffin rail, 21 cars, 136 horses. Ju.

Central Railway Co. Peter Thompson, President. Walter Blackistone, Secretary and Treasurer. 11½ miles, 5-4½ gauge, 45 and 47 lb. tram rail, 22 cars, 182 horses. Ju.

North Baltimore Passenger Railway Co. Jas. L. McLane, President. Thomas J. Wilson, Secretary. C. Morton Stewart, Treasurer. 21 miles, 5-4½ gauge, 45 lb. s. b. rail, 76 cars, 450 horses. Ju.

The Baltimore Traction Co. T. Edward Hambleton, President. N. H. Johnson, Secretary. F. S. Hambleton, Treasurer. 35 miles, 5-4½ gauge, 42, 45 and 47 lb. rail, 100 cars, 675 horses. Ju.

Pimlico and Pikesville Railway Co. S. H. Caughy, President. Frank Caughy, Secretary. Arthur Chenoweth, Treasurer and Superintendent. 7 miles, 5-4 gauge, 30 lb. rail, 4 cars, 17 horses. Ju.

Baltimore, Brooklyn and Cedar Hill Railway Co. Capital stock, $50,000. C. Orrick Swann, President. N. W. Paynter, Secretary. Levi Condon, Treasurer. I. M. Thompson, Superintendent. 10 miles, 5-2 gauge, 30 lb. steel rail, 25 cars, 50 horses.

BAY RIDGE. *Bay Ridge Electric Railroad Co. 5 miles, 3 cars, Sprague system. Ju.

GLEN ECHO HEIGHTS. *Glen Echo Railroad Co. Capital stock, $1,000. Edwin Baltzley, President and Secretary. F. R. Pratt, Vice-President. J. C. Pratt, Treasurer. Annual meeting held in May. 3 miles, standard gauge, 40 lb. rail, 4 motors and 4 trail cars. Electric system not decided.

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MASSACHUSETTS.

ATTLEBORO. *Attleboro, North Attleboro and Wrentham Street Railway Co. Eugene Griffin, President. H. N. Daggett, Jr., Treasurer. Geo. A. Murch, Superintendent. 6 miles, standard gauge, 48 lb. rail, 9 cars, Thomson-Houston system. Ju.

BOSTON. Malden and Melrose Railroad Co. Chas. E. Powers, President. H. McFarland, Treasurer. 8 miles, 4–8½ gauge, 50 lb. rail. Ju.

Boston and Chelsea Railroad Co. Capital stock, $300,000; paid in, $121,000. W. W. Wheildron, President. J. H. Studley, Jr., Secretary and Treasurer. Annual meeting held in June. 4½ miles, 4–8½ gauge, 48 to 56 lb. rail. Leased to the West End Street Railway Co., and operated by the Lynn and Boston Railroad Co.

Winnisimmet Railroad Co. Capital stock, $50,000; all paid in. Thomas P. Proctor, President. E. F. Oliver, Clerk and Treasurer. Annual meeting held in December. 2 miles, 4–8½ gauge, 48 lb. rail. Road leased to Lynn and Boston Railroad Co.

Somerville Horse Railroad Co. Josiah Q. Bennet, President. J. H. Studley, Jr., Treasurer. 5–4 miles, 4–8½ gauge, 48–60 lb. rail. Operated by the West End Street Railway Co.

*West End Street Railway Co. Henry M. Whitney, President. Edward Reardon, Vice-President. J. H. Goodspeed, Treasurer. F. H. Monks, General Manager. 234.62 miles, 4-8½ gauge, 30 to 54 lb. tram and T flat steel and Richards rail, 1,582 cars, 7,684 horses, also Thomson-Houston system. X X X H.

*Lynn and Boston Railroad Co. Capital stock, $400,000; all paid in. Amos F. Breed, President. E. Francis Oliver, Clerk and Treasurer. Elwin C. Foster, Superintendent. Annual meeting held in November. 52 miles, 4-8½ gauge, 28 and 48 lb. rail, 228 cars. 896 horses, Thomson-Houston system. Z Z H.

BEVERLY. *Beverly and Danvers Street Railway Co. John I. Baker, President and Superintendent. Austin Whitcomb, Treasurer. 4 miles, 4-8½ gauge, 40 lb. rail, 2 cars, storage battery system. Ju.

BROCKTON. Brockton Street Railway Co. Capital stock, $150,000; all paid in. W. W. Cross, President. C. R. Fillebrown, Treasurer. Horace B. Rogers, Superintendent. Annual meeting held in October. 11½ miles, 4-8½ gauge, 35 and 40 lb. rail, 39 cars, 152 horses. Ju.

*East Side Street Railway Co. Capital stock, $45,000; all paid in. A C. Thompson, President. G. H. Kingman, Vice-President. O. F. Leach, Secretary and Treasurer. M. E. Peterson, Superintendent. Annual meeting held in October. 4½ miles, 40 lb. rail, 7 cars, Sprague system. Ju.

FALL RIVER. Globe Street Railway Co. Frank S. Stevens, President. M. G. B. Swift, Secretary. Robert S. Goff, Treasurer. John H. Bowker, Superintendent. 16½ miles, 4-8½ gauge, 35 and 47 lb. rail, 63 cars, 250 horses. Ju.

FITCHBURG. Fitchburg Street Railway Co. Capital stock, $60,000; all paid in. Henry A. Willis, President. H. I. Wallace, Vice-President. H. C. Hartwell, Secretary. B. F. Wallis, Treasurer. Wesley W. Sargent, Superintendent. Annual meeting held in October. 5 miles, standard gauge, 30, 35 and 45 lb. rail, 13 cars, 62 horses. Ju.

GLOUCESTER. Gloucester Street Railway Co. Henry Souther, President. H. O. Flint, Vice-President. P. S. Presson, Secretary. Thos. Hodge, Treasurer. W. A. Strangman, Superintendent. 5½ miles, 4-8½ gauge, 35 lb. T rail, 15 cars, 80 horses. Ju.

HAVERHILL. Haverhill and Groveland Street Railway Co. Capital stock, $144,000; all paid in. Ira O. Sawyer, President. John A. Colby, Secretary and Treasurer. Annual meeting held in October. 14 miles, 4-8½ gauge, 30 and 35 lb. rail, 38 cars, 85 horses. Ju.

HOLYOKE. Holyoke Street Railway Co. Capital stock, $50,000; all paid in. Levi Perkins, President. W. H. Brooks, Secretary. Wm. S. Loomis, Treasurer and Superintendent. Annual meeting held in January. 4 miles, 4-8½ gauge, 35, 45 and 50 lb rail, 18 cars, 62 horses. Ju.

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LAWRENCE. Merrimack Valley Horse Railroad Co. Capital stock, $80,000; all paid in. Franklin Butler, President. A. W. Stearns, Vice-President. A. E. Butler, Treasurer. A. N. Kimball, Superintendent. Annual meeting held in December. 10 $\frac{48}{100}$ miles, 30, 35, 40 and 45 lb. rail, 37 cars, 147 horses. Ju.

LOWELL. Lowell Horse Railroad Co. Capital stock, $100,000; all paid in. E. M. Tucker, President. P. F. Sullivan, Secretary. W. M. Sawyer, Treasurer. E. J. Noyes, Superintendent. Annual meeting held in October. 13½ miles, 4-8½ gauge, 33, 45 and 50 lb. rail, 75 cars, 224 horses. Ju.

*Lowell and Dracut Street Railway Co. Capital stock, $100,000; all paid in. August Fels, President. P. F. Sullivan, Secretary. Percy Parker, Treasurer. E. J. Noyes, Superintendent. 13 miles, 4-8½ gauge, 35, 40, 50 and 65 lb. rail, 48 cars, 134 horses, Bentley-Knight system. Ju.

LYNN. *Lynn Belt Line Street Railway Co. Capital stock, $100,000; all paid in. Q. A. Towns, President. Geo. H. Bored, Secretary. W. B. Littlefield, Treasurer. Annual meeting held in January. 6½ miles, 8-4½ gauge, 45 lb. rail, 10 cars, 2 horses, Thomson-Houston system. Ju.

MARLBORO. *Marlboro Street Railroad Co. 3 miles, 3 cars, Sprague system. Ju.

NATICK. Natick and Cochituate Street Railway Co. Harrison Harwood, President. Frank Hayes, Clerk. Geo. F. Keep, Superintendent. 3 miles, 4-8½ gauge, 35 lb. rail, 8 cars, 21 horses. Ju.

NEW BEDFORD. Union Street Railway Co. Capital stock, $260,000. Sam'l C. Hart, President. Wm. H. Allen, Secretary and Treasurer. Franklin Woodman, Superintendent. 16 miles, 4-8½ gauge, 35 and 45 lb. iron tram, 45 lb. steel tram and 38 lb. girder rail, 70 cars, 252 horses. Ju.

NEWBURYPORT. Newburyport and Amesbury Horse Railroad Co. Chas. Odell, President. J. H. Crandell, Secretary and Treasurer. W. A. Larrabee, Superintendent. 12 miles, 4-8½ gauge, 45 lb. rail, 35 cars, 90 horses. Ju.

Black Rocks and Salisbury Beach Street Railway Co. E. P. Shaw, President. Geo. Tilton, Secretary and Treasurer. 12½ miles, 4-8½ gauge, 35 lb. T rail, 27 cars, 80 horses. Ju.

Plum Island Street Railway Co. Capital stock, $40,000. Chas. Odell, President. A. G. Reynolds, Treasurer. W. B. Ferguson, Superintendent. 5 miles, 4-8½ gauge, 35 and 40 lb. rail, 10 cars, 25 horses. Ju.

NEWTON. *Newton Street Railway Co. Capital stock, $100,000; all paid in. Geo. W. Morse, President. John C. Lane, Treasurer. F. G. L. Henderson, Superintendent. 5½ miles, 4-8½ gauge, 45 lb. rail, 16 cars, Thomson-Houston system. Ju.

NORTH ADAMS. *Hoosac Valley Street Railway Co. C. Q. Richmond, President. S. Proctor Thayer, Secretary. H. A. Fitzsimons, Superintendent. 6 miles, 4-8½ gauge, 40 lb. T and flat rail, 19 cars, Thomson-Houston system. Ju.

NORTHAMPTON. Northampton Street Railway Co. J. C. Hammond, President. E. C. Clark, Treasurer and Superintendent. 3¼ miles, 4-8½ gauge, 35 lb. T and tram rail, 10 cars, 49 horses. Ju.

ONSET BAY. Onset Street Railway Co. E. Gerry Brown, President. W. W. Currier, Treasurer. 2 miles, 4-8½ gauge, 35 lb. T rail, 8 cars, 1 horse, Baldwin motor system. Ju.

PITTSFIELD. Pittsfield Street Railway Co. Capital stock, $50,000; all paid in. Jos. Tucker, President. Geo. W. Clark, Secretary. C. E. Merrill, Treasurer. C. P. Upson, Superintendent. Annual meeting held in October. 3½ miles, 4-8½ gauge, 35 and 40 lb. rail, 10 cars, 40 horses. Ju.

PLYMOUTH. *Plymouth and Kingston Street Railway Co. Capital stock, $35,000; all paid in. J. H. Cunningham, President. G. Loring, Secretary. J. D. Thurber, Treasurer. C. E. Barnes, Superintendent. Annual meeting held in September. 4½ miles, 4-4½ gauge, 35 lb. rail, 7 cars, Thomson-Houston system. Ju.

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QUINCY. Quincy and Boston Street Railway Co. John Q. Adams, President. A. Burnham, Treasurer. John A. Duggan, Superintendent. 8 miles, 8 cars. This road has a lease on the Quincy Street Railroad Co. for 99 years.

REVERE BEACH. Boston and Revere Electric Street Railway Co. 75.

SALEM. Naumkeag Street Railway Co. Chas. Odell, President. Joseph F. Hickey, Secretary and Treasurer. Nathan E. Morton, Superintendent. 37 miles, 4-8½ gauge, 35 and 40 lb. T and tram rail, 110 cars, 395 horses. Ju.

SPRINGFIELD. Springfield Street Railway Co. Capital stock, $400,000; paid in, $350,000. John Olmsted, President. A. E. Smith, Treasurer. F. E. King, Superintendent. Annual meeting held in January. 20 miles, 4-8½ gauge, 33, 40 and 50 lb. rail, 74 cars, 260 horses. Z H.

STONEHAM. East Middlesex Street Railroad Co. A. F. Breed, President. D. H. Sweetser, Treasurer. W. Wentworth, Superintendent. 15¼ miles, 4-8½ gauge, 35 lb. rail, 56 cars, 217 horses. Ju.

TAUNTON. Taunton Street Railway Co. Capital stock, $100,000; all paid in. Wm. C. Loreing, President and Treasurer. O. A. Barker, Secretary. Geo. C. Morse, Superintendent. Annual meeting held in October. 9 miles, 4-8½ gauge, 35, 40 and 54 lb. rail, 23 cars, 100 horses. Ju.

WALTHAM. Newton Street Railway Co. R. E. Robbins, President. Henry Bond, Treasurer and Superintendent. ¾ miles, 4-8½ gauge, 35 and 40 lb. rail, 10 cars, 22 horses. Ju.

WOBURN. North Woburn Street Railroad Co. 75.

WORCESTER. Worcester Consolidated Street Railway Co. Chas. B. Pratt, President. H. S. Seeley, Secretary and Treasurer. I. B. Chapin, Superintendent. 17 miles, 4-8 gauge, 35 lb. flat rail, 74 cars, 336 horses. Ju.

MICHIGAN.

ADRIAN. *Adrian City Electric Belt Railway Co. Capital stock, $50,000; all paid in. J. H. Blain, President and Superintendent. W. A. Jackson, Vice-President. W. W. Rhodes, Secretary. M. E. Chittenden, Treasurer. Annual meeting held in January. 2¾ miles, 4-8½ gauge, 38 lb. rail, 3 cars, National system. Ju.

BATTLE CREEK. Battle Creek Street Railway Co. J. L. Burridge, President. J. W. Fletcher, Vice-President. Lucius Clark, Secretary. W. T. Richards, Treasurer. P. P. Judson, Superintendent. 5½ miles, 3-6 gauge, 20 lb. rail, 10 cars, 23 horses. Ju.

BAY CITY. Bay City Street Railway Co. Jas. Clements, President. Edgar A. Cooley, Secretary. W. S. Clements, Treasurer. Byron Alley, Superintendent. 12 miles, 4-8½ gauge, 42 and 75 lb. rail, 16 cars, 60 horses. Ju.

Bay City Railway Co. 75.

DETROIT. Fort Wayne and Elmwood Railway Co. Capital stock, $250,000; all paid in. H. B. Brown, President. James H. Vhay, Vice-President. N. W. Goodwin, Secretary. E. S. Heineman, Treasurer. G. S. Hazard, Superintendent. Annual meeting held in January. 16¾ miles, 4-8½ gauge, 45 lb. rail, 57 cars, 350 horses. Y H.

Detroit Electric Railway Co. W. K. Muir, President. Bethune Duffield, Secretary. 4 miles, 4-8½ guage, 45 lb. tram rail, 3 cars, 14 horses. Changed to horse road and leased to Detroit City Railway Co.

Detroit City Rilway Co. Geo. Hendrie, President. S. D. Miller, Vice-President. Cameron Currie, Secretary. Strathearne Hendrie, Treasurer. John Willis, Superintendent. 51$\frac{1}{10}$ miles, 4-8½ gauge, 45 lb. tram rail, 250 cars, 1,550 horses. X X X H.

East Detroit and Grosse Pointe Railway Co. Capital stock, $100,000. W. H. Wells, President. Geo. W. Radford, Vice-President. Hibbard Baker, Secretary. Frank E. Snow, Treasurer. F. H. Allen, Superintendent. 9 miles, 4-8½ gauge, 25 lb. rail, 8 cars, National system. Ju.

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Grand River Street Railway Co. Hugh McMillan, President. Wm. Hendrie, Vice-President. Cameron Currie, Secretary and Treasurer. John Grant, Superintendent. Annual meeting held in May. 12 miles, 4-8½ gauge, 45 lb. rail, 50 cars, 300 horses. Owned by Detroit City Railway Co.

Highland Park Railway Co. Capital stock, $50,000; all paid in. Frank E. Snow, President and Treasurer. Fremont Woodruff, Secretary. H. Lewis, Superintendent. Annual meeting held in January. 3½ miles, 4-8½ gauge, 30 and 42 lb. rail, 6 cars, National system. Ju.

*Detroit, River Rouge and Dearborn Street Railway Co. 1 mile, 2 cars, Sprague system. Ju.

Hamtrauech and Grosse Pointe Railway Co. S. T. Miller, Secretary. $1\frac{1}{10}$ miles, 4-8½ gauge, 35 lb. c. b. rail, 6 cars, 30 horses. Ju.

GRAND RAPIDS. Street Railway Co. of Grand Rapids. Samuel Mather (Cleveland, O.), President. Geo. R. Perry, Secretary and Treasurer. A. Berier, Superintendent. Annual meeting held in July. 26 miles, 4-8½ gauge, 30, 35 and 40 lb. rail, 117 cars, 480 horses. Ju.

†Valley City Street Cable Railway Co. Capital stock, $200,000. A. J. Browne, President. A. D. Rathbone, Vice-President. W. S. Crosby, Secretary. James Blair, Treasurer. 9 miles, 4-8½ gauge, 28 lb. rail, 9 cars, 35 horses. Are building a cable road.

JACKSON. Jackson City Railway Co. Hiram H. Smith, President. Fred. J. Hall, Secretary and Superintendent. Henry H. Smith, Treasurer. 6 miles, 3-6 gauge, 28 lb. rail, 18 cars, 62 horses. Ju.

KALAMAZOO. Kalamazoo Street Railway Co. J. W. Boynton, President. Dr. Chase, Vice-President. Arthur Ellithorp, Secretary. 8¾ miles, 4-8½ gauge, 35 lb. rail, 26 cars, 44 horses. Ju.

LANSING. Lansing City Railway Co. Capital stock, $50,000; all paid in. S. G. Clarke, President. H. M. Clarke, Vice-President and Treasurer. B. E. Clarke, Secretary and Superintendent. Annual meeting held in May. 6 miles, 4-8½ gauge, 35 lb. rail, 9 cars, 37 horses. Ju.

MUSKEGON. *Muskegon Railway Co. F. A. Nims, President. P. P. Misner, Vice-President. R. A. Fleming, Secretary. Wm. B. McLaughlin, Treasurer. Wm. McLaughlin, Superintendent. 4⅛ miles, 4-8½ gauge, 30 lb. T and girder rail, 10 cars, 30 horses, Short system. S G.

PORT HURON. *Gratiot Electric Railway Co. Thomson-Houston system. Ju.

*Port Huron Electric Railway Co. Leased to Gratiot Electric Railway Co.

SAGINAW. City of Saginaw Street Railroad Co. David H. Jerome, President. Geo. L. Burrows, Secretary and Treasurer. Fred. G. Benjamin, Superintendent. 8½ miles, 4-8½ gauge, 42 lb. rail, 16 cars, 75 horses. Ju.

*Saginaw Union Street Railway Co. Capital stock, $200,000; all paid in. Frank E. Snow, President. James F. Adams, Vice-President and Superintendent. John M. Nicol, Secretary and Treasurer. 17 miles, 4-8½ gauge, 45 lb. rail, 32 cars, 68 horses, National system. Ju.

ST. JOSEPH. St. Joseph and Benton Harbor Street Railway Co. W. W. Bean, President and Superintendent. 2½ miles, 4-8½ gauge, 30 lb. rail, 10 cars, 30 horses. Ju.

SAULT STE. MARIE. *Sault Ste. Marie Street Railway Co. Capital stock, $25,300. Thomas Ryan, President. James R. Ryan, Secretary and Treasurer. 3 miles, 4-8½ gauge, 8 cars, National system. Ju.

WEST BAY CITY. *West Bay City Street Railway Co. S. O. Fisher, President. W. E. Magill, Secretary. H. H. Worrington, Treasurer. 5 miles, 8 cars, Sprague system. Ju.

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MINNESOTA.

ANOKA. Mahaney & Co. R. Mahaney, President. Jas. Mahaney, Secretary. R. Mahaney, Jr., Treasurer. 3 miles, 4-8½ gauge, 26 lb. T rail, 3 cars, 13 horses. Ju.

DULUTH. Duluth Street Railway Co. Sam'l Hill, President. T. P. Wilson, Vice-President. A. S. Chase, Secretary and Treasurer. Fred. S. Wardwell, Superintendent. 7 miles, 3-6 gauge, 35 and 45 lb. strap and girder rail, 18 cars, 157 mules, 14 horses. Ju.

MANKATO. Mankato Street Railway Co. Capital stock, $50,000. W. M. Farr, President. John C. Noe, Secretary and Treasurer. 3½ miles, 3-6 gauge, 27 lb. steel rail, 5 cars, 16 horses. Ju.

MINNEAPOLIS. *Minneapolis Street Railway Co. Capital stock. $5,000,000; all paid in. Thomas Lowry, President. C. G. Goodrich, Vice-President and Superintendent. E. H. Center, Secretary. M. B. Koon, Treasurer. Annual meeting held in July. 67½ miles, 3-6 and 4-8½ gauge, 35, 45 and 78 lb. rail, 251 cars, 1,100 horses, Thomson-Houston system. The entire road will be equipped with the Sprague system. X X X H.

ST. PAUL. †St. Paul City Railway Co. Thos. Lowry, President. P. F. Barr, Vice-President. A. Z. Levering, Secretary. W. R. Merriam, Treasurer. A. L. Scott, Superintendent. 70.66 miles, 4-8½ gauge, 45, 52 and 54 lb. prov. rail, 154 cars, 908 mules and horses, cable system. X X X H.

St. Paul Cable Railway Co. Thos. P. Wilson, Vice-President. Ju.

St. Paul and Minneapolis Railway Co. Capital stock, $500,000. P. B. Winston, President. S. D. Morrison, Vice-President. Jacob Barge, Secretary. 65.

ST. CLOUD. St. Cloud City Street Car Co. Capital stock, $100,000; paid in, $20,000. C. P. McClure, President. O. W. Baldwin, Vice-President. Frank Tolman, Secretary. A. G. Whitney, Treasurer. R. L. Gale, Manager. Annual meeting held in April. 1½ miles, 4-2 gauge, 28 lb. rail, 2 cars, 10 horses. Ju.

STILLWATER. *Stillwater Electric Railway Co. W. L. Allen, President. Thos. O. Swiney, Vice-President. E. D. Allen, Secretary and Treasurer. J. S. Bassett, Superintendent. 6 miles, standard gauge, 6 cars, Sprague system. Ju.

Union Depot Street Railway and Transfer Co. 75.

WINONA. Winona City Railway Co. Capital stock, $50,000; paid in, $39,500. B. H. Langley, President. W. A. DeCelly, Vice-President. D. B. Hatcher, Secretary. H. S. Cole, Treasurer. L. Walior, Superintendent. Annual meeting held in June. 3.82 miles, 3-6 gauge, 29 lb. rail, 10 cars, 36 horses. Ju.

MISSISSIPPI.

ENTERPRISE. Enterprise Street Railway Co. John Kampe, President. E. B. Gaston, Vice-President. J. W. Gaston, Secretary and Treasurer. 1½ miles, 3-6 gauge, 24 lb. rail, 2 cars, 6 horses. Ju.

JACKSON. Jackson City Railroad Co. P. W. Peoples, President. J. B. Bradford, Secretary and Treasurer. 1½ miles, 5 gauge, 3 cars, 9 mules. Ju.

MERIDIAN. *Meridian Street Railway Co. Geo. R. Curtis, President. Chas. L. Rockwell, Secretary and Treasurer. Norman McD. Crawford, Superintendent. 7.83 miles, 4-8½ gauge, 30 lb. T rail, 15 cars, electric system. Ju.

NATCHEZ. Natchez Street Railroad Co. Capital stock, $25,000; all paid in. Henry Frank, President. Louis Batto, Vice-President. Abe Moses, Secretary and Treasurer. Morrie Moses, Superintendent. 3½ miles, 4 cars, 13 horses. P P G.

VICKSBURG. Vicksburg Street Railway Co. S G.

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MISSOURI.

CARTHAGE. Carthage Horse Railway Co. J. W. Ground, President. Nellie Ground, Secretary. A. J. Ground, Treasurer and Superintendent. 3½ miles, 3-6 gauge, 20 lb. T rail, 3 cars, 12 horses. Ju.

CLINTON. Clinton Street Railway Co. D. Joyce, President. W. T. Joyce, Secretary. Frank Crapser, Superintendent. 9½ miles, 3-8 gauge, 30 and 38 lb. T and girder rail, 18 cars, 16 mules, 40 horses. Ju.

HANNIBAL. *Hannibal Railway Co. M. Doyle, President and Superintendent. James O'Hern, Secretary and Treasurer. Annual meeting held in July. 2½ miles, 4-8½ gauge, 36 lb. rail, 6 cars, 22 horses, also Thomson-Houston system. R H.

JOPLIN. *Joplin Rapid Transit Co. Capital stock, $50,000. D. M. Huckman, President. Charles Matt, Vice-President. J. B. Steen, Secretary. Thos. H. Edwards, Treasurer. 3 miles of track in operation with storage battery system.

KANSAS CITY. †Grand Avenue Railway Co. Capital stock, $1,200,000; all paid in. W. H. Holmes, President. V. B. Buck, Vice-President. D. B. Holmes, Secretary. O. P. Dickinson, Treasurer. C. F. Holmes, Superintendent. Annual meeting held in May. 8 miles, 4-8½ gauge, 56½ lb. rail, 90 cars, 47 horses, cable system. X X X H.

*North East Street Railway Co. Capital stock, $260,000; all paid in. W. H. Winants, President. E. A. Phillips, Vice-President. W. C. Scarritt, Secretary. J. H. North, Treasurer. C. S. Clarke, Superintendent. Annual meeting held in May. 7 miles, standard gauge, 48 lb. rail, 10 cars, Thomson-Houston system. Z Z H.

†People's Cable Railway Co. Capital stock, $750,000; all paid in. H. P. Churchill, Receiver. Henry Crawford, Auditor and Cashier. Frank F. Phillips, Superintendent. 6 miles, 27 cars, cable system. Ju.

†Kansas City Cable Railway Co. Wm. J. Smith, President. Jas. A. Blair, Vice-President. W. H. Lucas, Secretary. J. T. Thornton, Treasurer. 20½ miles, 4–8½ gauge, 50 lb. Johnson s. b. rail, 200 cars, cable system. X X X H.

East Fifth Street Railway Co. Wm. J. Smith, President. W. H. Lucas, Secretary. E. L. Martin, Treasurer. Frank C. Peck, Superintendent. 5 miles, 4–8½ gauge, 60 lb. girder rail, 18 cars, steam system. W H.

†Metropolitan Street Railway Co. Capital stock, $3,000,000. C. F. Morse, President. R. J. McCarty, Secretary. A. W. Armour, Treasurer. 39.3 miles, 4–8½ gauge, 56 and 30 lb. rail, 247 cars, 385 horses, 22.4 miles cable. X X X H.

Waldo Park Railway Co. Capital stock, $100,000. John A. McDonald, President. H. M. Meriwether, Vice-President. E. F. Hill, Secretary. Wm. M. Sloan, Treasurer. 10 miles, 4–8½ gauge, 40 and 50 lb. rail, 26 cars, steam system. Ju.

Citizens' Cable Railway Co. 75.

Kansas City Electric Railway Co. 75.

Kansas City and Olathe Investment and Rapid Transit Co. 75.

Prospect Park Rapid Transit Co. 75.

Kansas Inter-State Consolidated Rapid Transit Railway Co. D. M. Edgerton, Receiver. 15⅝ miles, 4-8½ gauge, 40, 50 and 62 lb. rail, 67 cars, steam system. Ju.

Kansas City and Independence Rapid Transit Railway Co. Capital stock, $1,000,000; all paid in. W. H. Holmes, President. W. A. Bunker, Vice-President. D. B. Holmes, Secretary. W. B. Clark, Treasurer. Jas. R. Chapman, Superintendent. Annual meeting held in March. 8½ miles, 4-8½ gauge, 40 lb. rail, 18 cars, 6 motors. Ju.

LEXINGTON. Lexington and Kansas City Land and Investment Co. R. G. Estell, President. W. Z. Hickman, Vice-President. James Wentworth, Secretary and Treasurer. Geo. W. Mountjoy, Superintendent. 2½ miles, 4-4 gauge, 30 lb. rail, 2 cars, 8 horses. Ju.

ST. JOSEPH. Circle Cable Railway Co. 6 miles. Franchise owned by Messrs. Johnson, Lillis and others, of Citizens' Cable Co., Kansas City.

Citizens' Railway Co. 75.

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Frederick Avenue Railway Co. 75.

Union Railway Co. Jas. Craig, President. Chas. F. Ernst, Vice-President. W. Steinacker, Secretary and Treasurer. 10 miles, 4-8½ gauge, 35 and 52 lb. T, flat and Johnson girder rail, 36 cars, 45 horses, 8½ miles cable system. Ju.

*People's Street Railway Co. L. R. Bacon, President. W. T. Van Brunt, Vice-President. A. J. Moulton, Secretary and Treasurer. 10 miles, 4-8½ gauge, 28, 35 and 52 lb. flat, girder and T rail, 33 cars, Sprague system. Ju.

*Wyatt Park Railway Co. J. M. Huffman, President. J. R. Williams, Secretary. W. J. Hobson, Treasurer. 5¾ miles, 4-8½ gauge, 35 lb. rail, 8 cars, Sprague system. Ju.

ST. LOUIS. *St. Louis and East St. Louis Electric Railway Co. Capital stock, $250,000; all paid in. D. R. Power, President. C. C. Carroll, Vice-President. D. T. Buck, Secretary. Morris Wuerpel, Superintendent. Annual meeting held in July. 2 miles, 4-10 gauge, 48 lb. rail, 6 cars, Thomson-Houston system. Y G.

Benton-Bellefontaine Railway Co. Chas. Parsons, President. Robert McCulloch, Vice-President, Secretary and Treasurer. 8 miles, 4-10 gauge, 52 lb. rail, 72 cars, 260 horses. Ju.

Cass Avenue and Fairground Railway Co. C. B. Holmes, President. C. N. Duffy, Secretary and Treasurer. M. J. Moran, Superintendent. 8½ miles, 4-10 gauge, 62 lb. rail, 64 cars, 310 horses. Ju.

Citizens' Railroad Co. C. B. Holmes, President. C. N. Duffy, Secretary and Treasurer. John Mahoney, Superintendent. 16 miles, 4-10 gauge, 63 lb. rail, 165 cars, 60 horses, 13 miles cable. Ju.

Forest Park, Laclede and Fourth Street Railway Co. P. C. Maffit, President. Wm. D. Henry, Secretary and Treasurer. J. F. Davidson, Superintendent. 5½ miles, 4-10 gauge, 44 lb. rail, 24 cars, 205 horses. Ju.

Jefferson Avenue Railway Co. John Scullin, President. Frank Carter, Vice-President. Jas. H. Roach, Secretary. Clement M. Seaman, Treasurer. 5½ miles, 4-9 gauge, 56 lb. rail, 40 cars. Ju.

Tower Grove Lafayette Railway Co. 75.

Lindell Railway Co. Geo. D. Capen, President. Chas. F. Orthwein, Vice-President. Geo. W. Baumhoff, Secretary and Treasurer. 16 miles, 4-10 gauge, 65 lb. rail, 80 cars, 407 horses. Ju.

†Missouri Railroad Co. P. C. Maffit, President. Wm. D. Henry, Secretary. James F. Davidson, Superintendent. 16¾ miles, 4-10 gauge, 44 lb. rail, 50 cars, 488 horses, 9 miles cable. Ju.

Mound City Railway Co. John Scullin, President. Frank Carter, Vice-President. Jas. H. Roach, Secretary. C. M. Seaman, Treasurer. Jas. Scullin, Superintendent. Ju.

Northern Central Railway Co. C. B. Holmes, President. C. N. Duffy, Secretary and Treasurer. Thos. F. Bergin, Superintendent. 10½ miles, 4-10 gauge, 52 lb. rail, 60 cars, 280 horses. Ju.

People's Railroad Co. Chas. Green, President. Jos. Perry, Secretary and Treasurer. Patrick Shea, Superintendent. 8 miles, 4-10 gauge, 44 lb. steel rail, 63 cars, 314 horses. Ju.

St. Louis Railroad Co. C. B. Holmes, President. R. B. Jennings, Secretary and Treasurer. Chas. Ischer, Superintendent. 15 miles, 4-10 gauge, 60 lb. flat and 78 lb. girder rail, 140 cars, 700 horses. Ju.

†St. Louis Cable and Western Railway Co. Dwight Treadway, President. A. de Figueiredo, Vice-President. Manning Treadway, Secretary and Treasurer. M. A. Shipley, Superintendent. 7 miles, 4-10 gauge, 56 lb. rail, 78 cars, cable system. Ju.

Union Depot Railroad Co. John Scullin, President. C. M. Seaman, Vice-President and Treasurer. Jas. H. Roach, Secretary. Jas. Scullin, Superintendent. 21 miles, 4-10 gauge, 63 lb. girder rail, 72 cars, 375 horses. Ju.

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Union Railroad Co. C. B. Holmes, President. C. M. Duffy, Secretary and Treasurer. 8 miles, 4-10 gauge, 52 lb. rail, 80 cars, 330 horses and mules. Ju.

Southern Railway Co. W. L. Johnson, President. John S. Minary, Secretary. Jas. F. Uhl, Superintendent. 16 miles, 4-10 gauge, 52 lb. rail, 60 cars, 290 horses. Ju.

Baden and St. Louis Railroad Co. Capital stock, $50,000; all paid in. Geo. S. Case, President and Secretary. John A. Becker, Vice-President. Annual meeting held in March. 3 miles, 4-9½ gauge, 28 lb. rail, 10 cars, 24 horses. Ju.

SEDALIA. Sedalia Street Railway Co. Joseph D. Sicher, President. Louis Deutsch, Vice-President. Chas. S. Conrad, Secretary. F. H. Guenther, Treasurer. 2¼ miles, 4-10 gauge, 22 lb. rail, 6 cars, 25 horses. Ju.

*The Electric Railway, Light and Power Co. Capital stock, $80,000; paid in, $75,000. W. E. Sterne, President. R. R. Moore, Vice-President. D. C. Metsker, Secretary, Treasurer and Superintendent. Annual meeting held in January. 10 miles, standard gauge, 40 lb. rail, 8 cars, Thomson-Houston electric system.

SPRINGFIELD. Citizens' Railway Co. Capital stock, $120,000; all paid in. B. F. Hobart (St. Louis), President. J. F. G. Bentley, Vice-President. Frank B. Smith, Secretary, Treasurer and Superintendent. Annual meeting held in January. 5 miles, 4-8½ gauge, 20, 38 and 40 lb. rail, 18 cars, 98 mules and horses. W H.

MONTANA.

BUTTE. †Butte City Railway Co. Capital stock, $250,000. Willard Bennett, President. W. A. Clark, Vice-President. E. E. Congdon, Secretary. A. J. Johnston, Treasurer. 6 miles, 4-8½ gauge, 35 lb. T rail, 22 cars, steam and cable system. Ju.

HELENA. Helena Street Railway Co. C. W. Cannon, President. H. M. Parchen, Vice-President. H. L. Walker, Secretary and Treasurer. W. H. Baker, Superintendent. 3½ miles, 4-8½ gauge, 25 and 38 lb. rail, 8 cars, 40 horses. S G.

Helena Motor Railway Co. 75.

NEBRASKA.

BEATRICE. Beatrice Street Railway Co. Capital stock, $35,000; all paid in. J. D. Kilpatrick, President. J. E. Smith, Vice-President. A. L. Green, Secretary. John Ellis, Treasurer. F. Sorenson, Superintendent. 4 miles, standard gauge, 4 cars, 30 horses. P P G.

GRAND ISLAND. Grand Island Street Railway Co. A. H. Baker, President. B. A. Koenig, Vice-President. O. B. Thompson, Secretary. W. A. Hagge, Treasurer. W. C. Lamon, Superintendent. 7 miles, 4-6 gauge, 20 and 35 lb. T rail, 13 cars, 70 horses. S G.

HASTINGS. Hastings Improvement Co. Jas. B. Heartwell, President. J. J. Wemple, Vice-President. Chas. D. Heartwell, Secretary. H. Bostwick, Treasurer. J. A. Kraft, Superintendent. 11 miles, 4-8½ gauge, 16 and 38 lb. rail, 12 cars, 56 horses and mules Ju.

Citizens' Street Railway Co. Capital stock, $100,000. Rob't Batby, President. Henry Shedd, Secretary. C. L. Stone, Treasurer. John Hampsher, Superintendent. 3 miles, 4-8½ gauge, 16 and 20 lb. T and flat rail, 4 cars, 8 horses. V G.

KEARNEY. *Kearney Electric Co. 8 miles, 6 cars, Thomson-Houston and Sprague systems. Ju.

LINCOLN. Lincoln Rapid Transit Co. John Fitzgerald, President. J. R. Webster, Secretary. Geo. A. Kidd, Superintendent. 8 miles, 4-8½ gauge, 25 and 38 lb. girder rail, 13 cars, 30 horses, steam system. Ju.

†Lincoln Cable Railway Co. Capital stock, $500,000. J. H. Ames, President. Chas. Carpenter, Vice-President. Lewis Coon, Secretary. J. H. McMurtry, Treasurer. 5 miles, 4-8½ gauge, 56 lb. rail, 10 cars, cable system. Ju.

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Standard Street Railroad Co. L. G. M. Baldwin, President. M. H. Baldwin, Vice-President. Chas. D. Pitcher, Secretary and Treasurer. 3 miles, 4-8½ gauge, 16 lb. rail, 1 car, 4 horses. Ju.

Lincoln Street Railway Co. Capital stock, $800,000; all paid in. J. W. Deweese, President. John R. Clark, Vice-President. C. J. Ernst, Secretary and Treasurer. Annual meeting held in February. 16 miles, 4-8½ gauge, 20 and 38 lb. rail, 36 cars, 200 horses. W. H.

NORFOLK. Norfolk Street Railway Co. Capital stock, $50,000; paid in, $10,000. R. A. Stuart, President. Alex. Bear, Vice-President. N. A. Rahbold, Secretary and Superintendent. C. B. Burrows, Treasurer. Annual meeting held in March. 2½ miles, 3-6 gauge, 16 lb. rail, 2 cars, 6 horses. Ju.

OMAHA. *Omaha and Council Bluffs Bridge Railway Co. John T. Stewart, President. Geo. F. Wright, Secretary. Jos. H. Millard, Treasurer. C. H. Reynolds, Superintendent. 20 miles, 4-8½ gauge, 40 and 45 lb. girder and T rail, 40 cars, Thomson-Houston system. Ju.

*Omaha Street Railway Co. Capital stock, $5,000,000; all paid in. Frank Murphy, President. G. C. Barton, Vice-President, D. H. Goodrich, Secretary. W. W. Marsh, Treasurer. F. A. Tucker, Superintendent. W. A. Smith, General Manager. Annual meeting held in January. 87 miles, 4-8½ gauge, 240 cars, 500 horses. Cable, Thomson-Houston and Sprague systems. Ju.

PLATTSMOUTH. *Plattsmouth Street Railroad Co. Capital stock, $30,000. O. H. Ballou, President. John A. Davies, Secretary. 3 miles, standard gauge, 35 lb. rail, 3 cars, Sprague system.

WYMORE. Wymore and Blue Springs Railway Co. J. H. Reynolds, President. Ben. Reynolds, Vice-President. E. P. Reynolds, Jr., Secretary and Treasurer. 3½ miles, 3-6 gauge, 22 lb. T rail, 4 cars, 10 horses. Ju.

YORK. York Street Railway Co. Capital stock, $60,000; paid in, $18,000. W. T. Scott, President. M. A. Green, Secretary. E. A. Gilbert, Treasurer. H. L. Love, Superintendent. Annual meeting held in May. 2 miles, 4 gauge, 22 lb. rail, 3 cars, 8 horses. Ju.

NEW HAMPSHIRE.

CONCORD. *Concord Horse Railroad Co. Capital stock, $50,000; all paid in. Moses Humphrey, President and Superintendent. N. E. Martin, Secretary. Edgar Hougue, Treasurer. Annual meeting held in January. 7½ miles, 3 gauge, 30 lb. rail, 13 cars, 16 horses, 2 steam motors, Thomson-Houston system. Ju.

DOVER. Dover Horse Railroad Co. Mary E. H. G. Dow, President. Henry Dow, Treasurer. A. C. Grout, Superintendent. 2½ miles, 3½ gauge, 30 lb. rail, 8 cars, 15 horses. Ju.

LACONIA. Laconia and Lake Village Horse Railroad Co. Capital stock, $20,000; all paid in. A. G. Folsom, President. Edmund Little, Secretary and Treasurer. B. S. Keniston, Superintendent. Annual meeting held in January. 2½ miles, 3 gauge, 25 and 34 lb. rail, 8 cars, 20 horses. Ju.

MANCHESTER. Manchester Horse Railroad Co. S. N. Bell, President. G. F. Smyth, Treasurer. —— Knowles, Superintendent. 7 miles, 3 gauge, 27 and 34 lb. s. b. rail, 10 cars, Daft system. Ju.

NASHUA. Nashua Street Railway Co. G. H. Knowles, President. J. D. Chandler, Treasurer. 5 miles, 3 gauge, 35 lb. T and girder rail, 20 cars, 65 horses. Ju.

NEW JERSEY.

ATLANTIC CITY. Atlantic City Railway Co. Ezra Bartlett, Secretary. N. G. Bartlett, Treasurer. Ju.

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ASBURY PARK. *Sea Shore Electric Railway Co. W. P. Stevenson, President and Treasurer. W. J. Broadmeadow, Superintendent. 3 miles, 4-8½ gauge, 47 lb. rail, 21 cars, Daft system. Ju,

CAMDEN. Camden and Atlantic Street Railway Co. Wm. L. Elkins, President. Wm. G. Sewell, Vice-President. D. M. Zimmerman, Secretary. W. Taylor, Treasurer. Wm. N. Bannard, Superintendent. 8½ miles, 5-1 gauge, 35 and 47 lb. tram rail, 18 cars, 100 mules. Ju.

CAPE MAY. Cape May and Schellenger's Landing Railroad Co. Wm. Wharton, President. Wm. Selfridge, Secretary and Treasurer. Jas. Leaming, Superintendent. 3 miles, 5-2 gauge, 45 lb. rail, 8 cars, 50 horses. Ju.

BLOOMFIELD. Newark and Bloomfield Railroad Co. 75.

ELIZABETH. Connelly Street Railway Co. 75.

HOBOKEN. North Hudson County Railway Co. John H. Bonn, President. F. J. Mallory, Secretary. Frederick Michel, Treasurer. Nicholas Goelz, Superintendent. 25 miles, 4-7 gauge, 50 and 60 lb. rail, 116 cars, 685 horses. Ju.

JERSEY CITY. *Jersey City and Bergen Railroad Co. Capital stock, $1,000,000; paid in, $600,000. Charles B. Thurston, President. E. F. C. Young, Vice-President. W. E. Dennis, Secretary. J. S. Vanzandt, Treasurer. T. M. Sayre, Superintendent. Annual meeting held in April. 33 miles, 4-10½ gauge, 47 and 60 lb. rail, 126 cars, 779 horses, also Thomson-Houston system. Ju.

Pavonia Horse Railroad Co. M. E. Staples, Manager. 7 miles, 4-10 gauge, 50 lb. rail, 30 cars, 100 horses. Ju.

KEYPORT. Keyport and Matawan Street Railway Co. Being reorganized. 3½ miles, 4-8½ gauge, 38 lb. girder s. b. rail, 6 cars, 40 horses. Ju.

NEW BRUNSWICK. New Brunswick City Railroad Co. Linthrop Pond, President. Frank Daniels, Secretary and Treasurer. 4 miles, 4-8½ gauge, 40 lb. rail, 5 cars, 28 horses. Ju.

NEWARK. Essex Passenger Railway Co. S. S. Battin, President. Fred. T. Kirk, Secretary. John N. Akarman, Superintendent. 50 miles, 5-2½ gauge, 47 lb. flat rail, 143 cars, 1,015 horses. Ju.

Newark and Irvington Street Railway Co. S. S. Battin, President. W. L. Mulford, Secretary. John N. Akarman, Superintendent. 7 miles, 5-2½ gauge, 47 lb. flat rail, 32 cars, 160 horses. Ju.

Newark and South Orange Ferry Street and Hamburg Place Railroad Co. John Radel, President. Andrew Radel, Secretary. Joseph Criqui, Treasurer. 15 miles, 5-2½ gauge, 45 lb. rail, 49 cars, 330 horses. Ju.

ORANGE. Orange Cross-Town and Bloomfield Railway Co. (Orange, East Orange, West Orange and Bloomfield.) Capital stock, $60,000; all paid in. Francis Eldred, President. Thos. Marsh, Secretary. E. A. Pearson, Treasurer. John F. Walker, Superintendent. Annual meeting held in August. 7 miles, 5-2 gauge, 38 lb. rail, 13 cars, 80 horses. Ju.

PASSAIC. *Passaic Street Railway Co. 3 miles, 3 cars, Thomson-Houston system. Ju.

PATERSON. Paterson Railway Co. Garret A. Hobart, President. H. Romaine, Vice-President. A. A. Wilcox, Secretary. John J. Brown, Treasurer. M. Pettigrew, Superintendent. 20 miles, 4-8½ gauge, 45 lb. s. b. rail, 40 cars, 135 horses. Ju.

PHILLIPSBURG. Phillipsburg Horse Car Railroad Co. Capital stock, $30,000; all paid in. Dan. G. Runkle, President. James W. Long, Secretary and Treasurer. Annual meeting held in February. 2½ miles, 4–8 gauge, 35 lb. rail, 4 cars, 13 horses. Ju.

RED BANK. *Red Bank and Seabright Railway Co. 3 miles. 3 cars, Thomson-Houston system. Ju.

TRENTON. Trenton Horse Railroad Co. Lewis Perrine, Jr., President. George E. Koessler, Secretary. W. S. Gulick, Superintendent. Annual meeting held in June. 8.5 miles, 5–2 gauge, 35, 45 and 52 lb. rail, 29 cars, 125 horses. Ju.

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NEW YORK.

AMSTERDAM. Amsterdam Street Railroad Co. Capital stock, $15,000; all paid in. Henry Herrick, President. M. S. Stovey, Secretary. David Cudy, Treasurer. James R. Snell, Superintendent. Annual meeting held in January. 1¾ miles, 4–8½ gauge, 30 lb. rail, 4 cars, 12 horses. Ju.

ALBANY. *The Albany Railway Co. Capital stock, $750,000; all paid in. Robert C. Pruyn, President. Anthony N. Brady, Vice-President. Jame McCredie, Secretary. John W. McNamara, Treasurer and General Manager. Annual meeting held in October. 10$\frac{1}{10}$ miles, 4–8½ gauge, 47 and 50 lb. rail, 59 cars, 260 horses, Thomson-Houston system. Ju.

Albany and East Greenbush Horse Railway Co. A. B. Banks, President. J. W. Gascoigne, Secretary and Superintendent. 1.7 miles, 4-8 gauge, 7 cars, 20 horses. Ju.

*Watervliet Turnpike and Railroad Co. W. B. Van Hensselaer, President. John J. Acker, Vice-President. C. Tremper, Secretary. Wm. C. Miller, Manager. S. Cowdrey, Superintendent. 16 miles, 4-8½ gauge, 40 and 55 lb. rail, 16 motor cars, 18 horse cars, Thomson-Houston system. Ju.

AUBURN. Auburn City Railway Co. Capital stock, $50,000; all paid in. G. W. Allen, President. H. B. Hollens, Vice-President. C. L. Horton, Secretary and Treasurer. C. B. Kosten, Superintendent. Annual meeting held in June. 5¼ miles, 4–8½ gauge, 42 lb. rail, 8 cars, 40 horses. Ju.

BABYLON. Babylon Street Railway Co. W. F. Norton, President. Jos. F. Sammis, Secretary. John R. Reid, Treasurer. David S. S. Sammis, Superintendent. 1.53 miles, 4-9 gauge, 35 lb. T rail, 2 cars, 3 horses. Ju.

BINGHAMTON. *Washington Street, Asylum and Park Railroad Co. Gustave Stickley, President and Superintendent. Chas. Stickley, Secretary. Chas. Schlager, Treasurer. 5 miles, 4 gauge, 16 to 40 lb. T and tram rail, 15 cars, Sprague system. Ju.

Binghamton Central Railroad Co. G. T. Regan, President. J. B. Lanefield, Vice-President. Chas. O. Root, Secretary. S. J. Norton, Treasurer. Nelson Stow, Superintendent. 3¾ miles, 4-8½ gauge, 35 and 60 lb. T rail, 6 cars, 8 horses. Ju.

Binghamton and Port Dickinson Railroad Co. Harvey Wescott, President. G. M. Harris, Treasurer. 6 miles, 4-8½ gauge, 35 lb. rail, 11 cars, 25 horses. Leased.

City Railway Co. 1 mile, 4 gauge, 25 lb. rail, 2 cars, 7 horses. Ju.

Court Street and East End Railroad Co. Capital stock, $35,000; all paid in. Chas. M. Stone, President. W. G. Phelps, Secretary and Treasurer. Miles Leonard, Superintendent. Annual meeting held in October. 3¼ miles, 4-8½ gauge, 35 and 45 lb. rail, 9 cars, 18 horses. S S H.

Main, Court and Chenango Street Railroad Co. Henry Westcott, President. N. L. Osborn, Superintendent and Lessee. 6 miles, 4-8 gauge, 20 lb. rail, 10 cars, 25 horses. Ju.

BUFFALO. Buffalo Street Railroad Co. Henry M. Watson, President. S. S. Spaulding, Secretary. W. H. Watson, Treasurer. Edward Edwards, Superintendent. 17 miles, 4-8½ gauge, 50 lb. rail, 126 cars, 914 horses. W G.

Buffalo East Side Street Railway Co. S. S. Spaulding, President. H. M. Watson, Secretary. W. H. Watson, Treasurer. Edward Edwards, Superintendent. 42 miles, 4-8½ gauge, 50 lb. c. b. rail, 59 cars, 448 horses. W G.

BROOKLYN. Atlantic Avenue Railroad Co. Capital stock, $875,000. Wm. J. Richardson, President. W. J. Richardson, Secretary. Newbery H. Frost, Treasurer. A. H. Smith, Superintendent. 20½ miles, 4-8½ gauge, 50 and 60 lb. rail, 331 cars, 1,018 horses. X H.

Broadway Railroad Co. Capital stock, $875,000. Edwin Beers, President. Robert Sealy, Secretary. J. Crandall, Superintendent. 23 miles, 4-8½ gauge, 60 lb. double and single groove rail, 204 cars, 650 horses. Ju.

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Brooklyn City Railroad Co. Capital stock, $6,000,000. Daniel F. Lewis, President. E. D. White, Vice-President. H. M. Thompson, Secretary. Crowell Hadden, Treasurer. 147 miles, 4-8½ gauge, 45, 60 and 64 lb. s. b. and c. b. steel rail, 1,354 cars, 5,000 horses. X X X H.

New Williamsburg and Flatbush Railroad Co. 17½ miles, 4-8½ gauge, 47 and 50 lb. rail, 78 cars, 307 horses. Leased to Brooklyn City Railroad Co.

Greenpoint and Lorimer Street Railroad Co. 5½ miles, 4-8½ gauge, 50 lb. rail, 36 cars, 174 horses. Leased to Brooklyn City Railroad Co.

Bushwick Railroad Co. 28 miles, 4-8½ gauge, 35, 45, 50 and 60 lb. rail. Leased to Brooklyn City Railroad Co.

Brooklyn Cross-Town Railroad Co. 16 miles, 4-8½ gauge, 50 and 60 lb. rail. Leased to Brooklyn City Railroad Co.

Brooklyn City and Newtown Railroad Co. Capital stock, $1,000,000. John N. Partridge, President. Duncan B. Cannon, Secretary and Treasurer. John L. Heins, Superintendent. 21½ miles, 4-8½ gauge, 45 and 60 lb. c. b. and s. b. rail, 219 cars, 596 horses. Ju.

Calvary Cemetery, Greenpoint and Brooklyn Railroad Co. 12½ miles, 4-8½ gauge, 45 and 50 lb. rail. Leased to Brooklyn City Railroad Co.

*Coney Island and Brooklyn Railroad Co. Ed. F. Drayton, President. Stephen J. Mooney, Secretary. Geo. W. Chauncey, Treasurer. Wm. Farrell, Superintendent. 18⅝ miles, 4-8½ gauge, 45 lb. rail, 100 cars, 362 horses, Thomson-Houston system. Ju.

Grand Street and Newtown Railroad Co. Capital stock, $170,000. Peter Wyckoff, President. Wm. E. Horwill, Secretary and Treasurer. Walter G. Howey, Superintendent. 13½ miles, 4-8½ gauge, 50 and 60 lb. rail, 72 cars, 254 horses. Ju.

Prospect Park and Flatbush Railroad Co. John G. Jenkins, President. W. G. Howey, Secretary and Superintendent. Theo. F. Jackson, Treasurer. 3 miles, 4-8½ gauge, 50 lb. rail, 4 cars, 15 horses. Ju.

South Brooklyn Central Railroad Co. Capital stock, $125,000. Wm. Richardson, President. Wm. J. Richardson, Secretary. N. H. Frost, Treasurer. 8½ miles, 4-8½ gauge, 60 lb. rail, 42 cars, 190 horses. W H.

Van Brunt Street and Erie Basin Railroad Co. Capital stock, $75,000. S. W. Binns, President. Edmund Terry, Secretary and Treasurer. F. A. Morrell, Superintendent. 1½ miles, 4-8½ gauge, 45 lb. rail, 10 cars, 30 horses. Ju.

Brooklyn, Bushwick and Queens County Railroad Co. 75.

Jamaica and Brooklyn Railroad Co. 75.

Brooklyn Heights Railway Co. Capital stock, $300,000. Clarence J. Richards, President. Chas. M. Baker, Vice-President. Carl F. Van Brunck, Secretary. Edw. Records, Treasurer. 6½ miles, 4-2 gauge, 16 lb. rail, 15 horse cars for one year, then electric.

CANANDAIGUA. Canandaigua Street Railroad Co. Frank O. Chamberlin, President. A. S. Cooley, Vice-President. Chas. F. Milliken, Secretary. Chas. L. Sackett, Treasurer. Chas. A. Waldron, Superintendent. 2¼ miles, 4-8½ gauge, 38 lb. rail, 6 cars, 22 horses. Ju.

CORTLAND. Cortland and Homer Horse Railroad Co. Capital stock, $40,000; all paid in. S. E. Welch, President, Secretary and Treasurer. E. A. Fish, Vice-President. B. B. Terry, Superintendent. Annual meeting held in July. 3¾ miles, 4-8½ gauge, 25 and 30 lb. rail, 8 cars, 18 horses. Ju.

ELMIRA. Elmira and Horseheads Railway Co. D. O. Robinson, President. C. H. Baldwin, Treasurer. 13 miles, 4-8½ gauge, 38 and 52 lb. T and girder rail, 9 cars, 40 horses. Ju.

FAR ROCKAWAY. Village Railway Co. C. A. Cheever, President. J. S. Auerbach, Secretary. D. L. Haight, Treasurer. Andrew McTigue, Superintendent. 1 mile, 4-8½ gauge, 47 lb. rail, 4 cars, 10 horses. H 85.

FRANKFORT. Frankfort and Ilion Street Railway Co. A. C. McGowan, President.

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P. A. Skiff, Vice-President. J. W. Harris, Secretary. J. H. Hoard, Treasurer. J. L. Hoard, Superintendent. 2¼ miles, 5 gauge, 25 lb. rail, 4 cars, 6 horses. Ju.

FREDONIA. Fredonia and Dunkirk Railway Co. W. McKinstry, President. M. M. Fenner, Secretary and Treasurer. Eugene Crawford, Superintendent. 3½ miles, 4-10 gauge, 25 lb. rail, 5 cars, 10 horses. Ju.

FULTON. Fulton and Oswego Falls Street Railway Co. Capital stock, $15,000. Joseph Walker, Jr., President. N. N. Stranahan, Vice-President. Chas. Lyman, Secretary and Treasurer. 6,000 feet, 4-8½ gauge, Stringer and Gibbon's metallic rail, 4 cars, 9 horses. Ju.

GREENBUSH. North and East Greenbush Street Railway Co. A. Bleecker Banks, President and Treasurer. 1½ miles, 4-8½ gauge, 4 cars, 12 horses. Ju.

GLENS FALLS. Glens Falls, Sandy Hill and Fort Edward Street Railroad Co. J. M. Corlidge, President. B. B. Fowler, Secretary and Treasurer. 7⅝ miles, 3-6 gauge, 25 lb. rail, 8 cars, 25 horses. Ju.

HERKIMER. Herkimer and Mohawk Street Railroad Co. Capital stock, $17,000; all paid in. H. D. Alexander, President, Treasurer and Superintendent. E. S. Prince, Secretary. Annual meeting held in January. 1½ miles, 4-8½ gauge, 25 lb. rail, 3 cars. Ju.

ITHACA. *Ithaca Electric Street Railway Co. Capital stock, $25,000; all paid in. D W. Burduk, President. John J. Stephens, Vice-President. Chas. H. White, Secretary D. H. Van Vlut, Treasurer. Annual meeting held in November. 1 mile, 4-8½ gauge, 30 lb. rail, 3 cars, Daft system. Ju.

JAMESTOWN. Jamestown Street Railway Co. Capital stock, $100,000; paid in, $24,950. A. N. Broadhead, President. L. B. Warner, Vice-President. W. S. Cameron, Secretary. F. E. Gifford, Treasurer. G. E. Maltby, Superintendent. Annual meeting held in October. 4¼ miles, 4-8½ gauge, 30 and 42 lb. rail, 13 cars, 42 horses. Ju.

JOHNSTOWN. Johnstown, Gloversville and Kingsboro Horse Railroad Co. Lessees, Stoller & Van Sickler. James Younglove, President. Henry Stoller, Superintendent. 4 miles, 4-8½ gauge, 26 lb. rail, 6 cars, 18 horses. Ju.

LARCHMONT. Larchmont Horse Railway Co. C. H. Murray, President. E. E. Flint, Vice-President. W. H. Campbell, Secretary and Treasurer. 1½ miles, 4-8½ gauge, 25 and 35 lb. T rail, 3 cars, 8 horses. Ju.

LOCKPORT. Lockport Street Railroad Co. John Hodge, President and Treasurer. 4 miles, 4-8½ gauge, 42 lb. s. b. rail, 8 cars, 33 horses. R R G.

LONG ISLAND CITY. Steinway and Hunter's Point Railroad Co. G. A. Steinway, President. Chas. F. Tretbar, Secretary. A. D. Moulton, Superintendent. 30 miles, 4-8½ gauge, 47 and 57 lb. steel c. b. rail, 86 cars, 212 horses. Ju.

Long Island City and Newtown Railway Co. Capital stock, $150,000. Isaac Buchanan, President. Geo. S. Crawford, Secretary. Patrick J. Gleason, Treasurer. Michael Conway, Superintendent. 4½ miles, 4-8½ gauge, 45 and 55 lb. rail, 17 cars, 35 horses. Ju.

Riker Avenue and Sanford's Point Railroad Co. Capital stock, $20,000. G. A. Steinway, President. A. D. Moulton, Superintendent. 4 miles, 4-8½ gauge, 47 lb. c. b. rail. Operated under lease by Steinway and Hunter's Point Railroad Co.

MOHAWK. Mohawk and Ilion Railroad Co. O. W. Bronson, President. C. W. Carpenter, Vice-President. H. D. Alexander, Secretary. R. M. Devendorf, Treasurer. O. W. Bronson, Superintendent. 1¼ miles, 4-8½ gauge, 30 lb. rail, 4 cars. Ju.

MT. VERNON. Mt. Vernon and East Chester Railway Co. W. R. Bergholz, President. M. Thalmessinger, Vice-President. Leo Bergholz, Secretary. Jos. Fox, Treasurer. 3 miles, 4-8 gauge, 7 cars, 26 horses. Ju.

NEWBURGH. Newburgh Street Railway Co. Antonio Rasines, President. Geo. Silver, Vice-President. Wm. Moores, Secretary and Treasurer. H. Ives Smith, Superintendent. 5 miles, 4-8½ gauge, 40 lb. rail, 11 cars, 65 horses. Ju.

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NEW ROCHELLE. New Rochelle and Pelham Railroad Co. J. D. Crimmins, President. Eugene H. Pomeroy, Secretary. Thos. E. Crimmins, Treasurer. Frank Ryan, Superintendent. 10 miles, 4-8½ gauge, 42 lb. rail, 10 cars, 40 horses. Ju.

NEW YORK. Broadway and Seventh Avenue Railroad Co. Henry Thompson, President. Thos. F. Ryan, Secretary and Treasurer. Henry A. Newell, Superintendent. 16 miles, 4-8½ gauge, 47 and 60 lb. rail, 227 cars, 1,900 horses. Ju.

Christopher and Tenth Street Railroad Co. Louis de Bebian, President. Geo. Linch, Vice-President. W. T. Hatch, Treasurer. 5 miles, 4-8 gauge, 47 lb. rail, 47 cars, 290 horses. Ju.

Eighth Avenue Railroad Co. Geo. Law, President. James Affleck, Secretary and Treasurer. H. B. Wilson, Superintendent. 20 miles, 4-8½ gauge, 60 lb. rail, 112 cars, 1,155 horses. Ju.

Forty-second Street, Manhattanville and St. Nicholas Avenue Railway Co. John S. Foster, President. C. F. Naething, Secretary. Alfred Skitt, Treasurer. S. M. Sisson, Superintendent. 25 miles, 4-8½ gauge, 60 lb. rail, 85 cars, 614 horses. Ju.

Harlem Bridge, Morrisania and Fordham Railway Co. H. Spratley, President. Wm. Remsen, Vice-President. Wm. Cauldwell, Secretary and Treasurer. 16.18 miles, 4-8½ gauge, 43 and 60 lb. rail, 66 cars, 306 horses. Ju.

Houston, West Street and Pavonia Ferry Railroad Co. Daniel S. Lamont, President. Daniel B. Hasbrouck, Secretary and Treasurer. H. W. Edes, Superintendent. 11.7 miles, 4-8½ gauge, 60 lb. c. b. rail, 44 cars, 360 horses. Ju.

Jerome Park Railroad Co. W. A. Duer, President. Fred. A. Lovecraft, Secretary. Theodore Moss, Treasurer. 1⅛ miles, 4-8½ gauge, 56 lb. rail. Service furnished by N. Y. C. & H. R. R. R.

New York and Harlem Railroad Co. C. Vanderbilt, President. C. C. Clark, Vice-President. Ed. V. W. Rossiter, Secretary and Treasurer. Alfred Skitt, Superintendent. 18½ miles, 4-8½ gauge, 60 and 75 lb. rail, 162 cars, 1,327 horses. Ju.

Ninth Avenue Railroad Co. Geo. Law, President. James Affleck, Secretary and Treasurer. Louis P. Foulk, Superintendent. 16 miles, 4-8½ gauge, 60 lb. rail, 117 cars, 1,100 horses. Ju.

Sixth Avenue Railroad Co. Frank Curtiss, President. Henry S. Moore, Secretary and Treasurer. Edw. Peter A. Miller, Superintendent. 9⅛ miles, 4-8½ gauge, 60 lb. rail, 117 cars, 1,100 horses. Ju.

Second Avenue Railroad Co. G. S. Hart, President. Geo. Starr, Vice-President. J. B. Underhill, Secretary. D. Dillenbeck, Treasurer. 28 miles, 4-8½ gauge, 60 lb. rail, 316 cars, 1,750 horses. Ju.

Twenty-Third Street Railway Co. Henry Sanford, President. Geo. N. Curtis, Vice-President. Thos. H. McLean, Secretary. Walter T. Hatch, Treasurer. 14 miles, 4-8½ gauge, 50 lb. c. b. rail, 99 cars, 900 horses. Ju.

Third Avenue Railroad Co. Capital stock, $2,000,000; all paid in. Lewis Lyon, President. Henry Hart, Vice-President. Alfred Lazarus, Secretary. John Beaver, Treasurer. John H. Robertson, Superintendent. Ju.

Fiftieth Street, Ansonia Ferry and Central Park Railroad Co. 75.

Dry Dock, East Broadway and Battery Railroad Co. Capital stock, $1,200,000; all paid in. William White, President. Richard Kelly, Secretary and Treasurer. Fred. F. White, Superintendent. Annual meeting held in January. 10 miles, 4-8½ gauge, 60 lb. rail, 181 cars, 926 horses. Ju.

Central Cross-Town Railroad Co. Capital stock, $600,000; all paid in. George Hart, President. Addison Cammack, Vice-President. Milton Masson, Secretary. E. Burton Hart, Treasurer. Annual meeting held in October. 2½ miles, 4-8½ gauge, 52 lb. rail, 47 cars, 230 horses. Ju.

Central Park, North and East River Railroad Co. Capital stock, $1,800,000; all paid in.

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G. H. Scribner, President. C. D. Wyman, Vice-President. J. L. Valentine, Secretary and Treasurer. Jno. H. Oakley, Superintendent. Annual meeting held in October. 26 miles, 4-8½ gauge, 60 lb. rail, 176 cars, 1,200 horses. Ju.

Forty-second Street and Grand Street Ferry Railroad Co. Capital stock, $750,000. Geo. Green, President. Charles P. Emmons, Secretary. R. J. Jacobs, Treasurer. Jno. M. Calhoun, Superintendent. Annual meeting held in March. 5¼ miles, 72 cars, 500 horses. Ju.

NIAGARA FALLS. Niagara Falls and Suspension Bridge Railway Co. Benj. Flagler, President. K. Flink, Vice-President. John Mackay, Secretary. A. Schoellkopf, Treasurer. F. Dean, Superintendent. 2½ miles, 4-8½ gauge, 45 lb. c. b. rail, 14 cars, 42 horses. V G.

OGDENSBURG. Ogdensburg Street Railway Co. Capital stock, $30,000; all paid in. W. H. Daniels, President. E. A. Newell, Secretary. A. E. Smith, Treasurer. H. Hichock, Superintendent. Annual meeting held in October. 4½ miles, 4-8½ gauge, 25 lb. rail, 7 cars, 20 horses. Ju.

ONEIDA. Oneida Railway Co. Capital stock, $15,000; paid in, $13,500. W. E. Northrup, President. J. J. Hope, Secretary and Treasurer. C. Bonta, Superintendent. Annual meeting held in October. 2 miles, 4-8½ gauge, 47 lb. rail, 3 cars, 10 horses. Ju.

OLEAN. Olean Street Railway Co. John Fobes, President and Superintendent. C. S. Carey, Vice-Pressdent. M. W. Barse, Secretary and Treasurer. 1.19 miles, 3-6 gauge, 25 lb. T rail, 3 cars, 8 horses. Ju.

ONEONTA. Oneonta Street Railway Co. Capital stock, $20,000; all paid in. George Wilber, Vice-President and Superintendent. T. D. Tallmadge, Jr., Secretary and Treasurer. Annual meeting held in January. 2½ miles, 4-8½ gauge, $35\frac{88}{100}$ lb. rail, 4 cars, 10 horses. Ju.

OSWEGO. Oswego Street Railway Co. Capital stock, $20,000; all paid in. R. I. Oliphant, President. H. D. McCaffrey, Vice-President. H. A. Wilcox, Secretary. Jno. P. Phelps, Treasurer. Annual meeting held in April. 2½ miles, 4-8½ gauge, 45 lb. rail, 5 cars, 20 horses. Ju.

PELHAM. Pelham Park Railroad Co. W. R. Lambertson, President. Henry D. Cary, Vice-President and Superintendent. E. N. Anable, Secretary and Treasurer. 1½ miles, 3-6 gauge, 30 and 57 lb. T and s. b. rail, 8 cars, 10 horses. Ju.

POUGHKEEPSIE. City Railroad Co. Capital stock, $80,000; paid in, $77,000. John Platt, President. Wm. Young, Vice-President. A. B. Smith, Secretary. Edmond Platt, Treasurer. C. M. Davis, Superintendent. Annual meeting held in July. 4 miles, 4-8½ gauge, 40 lb. rail, 9 cars, 44 horses. Ju.

ROCHESTER. Rochester City and Brighton Railroad Co. A. G. Yates, President. J. N. Beckley, Vice-President and Secretary. A. Luetchford, Treasurer. John D. Lowrey, Superintendent. Murry Vernor, General Manager. 51 miles, 4-8½ gauge, 35, 47 and 60 lb. rail, 196 cars, 813 horses. Ju.

Rochester and Bay Beach Electric Street Railroad Co. 75.

ROME. Rome City Street Railway Co. Antonio Rasines, President. Chas. W. Dayton, Vice-President. Wm. Moore, Secretary and Treasurer. W. P. Rayland, Superintendent. Annual meeting held in October. 6.70 miles, 4-8½ gauge, 38½ lb. rail, 14 cars, 50 horses. Ju.

RONDOUT. Kingston City Railroad Co. Capital stock, $50,000; all paid in. James G. Lindsley, President. Samuel D. Coykendall, Vice-President. Peter E. Schoonmaker, Secretary and Treasurer. Wm. H. De Garmo, Superintendent Annual meeting held in October. 2¾ miles, 4-8½ gauge, 40 lb. rail, 8 cars, 40 horses. Ju.

SALINA. Woodlawn and Butternut Street Railway Co. John S Kaufman, President. Wm. Doppfel, Secretary. Fred Erhard, Treasurer. Peter Kappener, Superintendent. 1¾ miles, 4-8½ gauge, 38 and 52 lb. Johnson steel girder rail, 6 cars, 34 horses. Ju.

SARATOGA. *Saratoga Electric Railway Co. 2½ miles, 2 cars, Thomson-Houston system.

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SENECA FALLS. *Seneca Electric Railway Co. Capital stock, $40,000; all paid in. S. L. Phillips, President. C. J. Ryan, Vice-President. C. H. Williams, Secretary. A. W. Terwilliger, Treasurer. A. E. Dresser, Superintendent. Annual meeting in March. $4\frac{1}{10}$ miles, 4-8½ gauge, 40 lb. rail, 5 cars, Thomson-Houston system. Ju.

Seneca Falls and Waterloo Railroad Co. W. L. Mercer, Receiver. 4 miles, 4-8½ gauge, 40 lb. rail, 7 cars, steam system. Ju.

SCHENECTADY. Schenectady Street Railway Co. A. R. Chisolm, President. A. C. Bedford, Secretary and Treasurer. D. G. Christie, Superintendent. 2 miles, 4-8½ gauge, 40 lb. rail, 5 cars, 30 horses. Ju.

STATEN ISLAND. Staten Island Shore Railway Co. Thomas Moore, Superintendent. 9 miles, 4-8½ gauge, 25 lb. T rail, 10 cars, 40 horses. Ju.

STILLWATER. Stillwater and Mechanicsville Street Railway Co. Capital stock, $40,000; paid in, $10,712. Wm. L. Denison, President and Superintendent. M. F. Hutchins, Vice-President. E. I. Wood, Secretary and Treasurer. Annual meeting held in November. 4½ miles, 4-8½ gauge, 25 and 30 lb. rail, 4 cars, 7 horses. Ju.

SYRACUSE. Syracuse and Onondaga Railroad Co. Anson N. Palmer, President. Chas. P. Clark, Vice-President. Geo. W. Garrett, Secretary and Treasurer. H. Thompson, Superintendent. 2¼ miles, 4-8½ gauge, 28 and 47 lb. rail, 11 cars, 33 horses. V V H.

Central City Railway. Fred. S. Wicks, President. Jonathan C. Chase, Vice-President. James Barnes, Secretary and Treasurer. George Crampton, Superintendent. 3¼ miles, 4-8½ gauge, 47 and 51 lb. rail, 18 cars, 64 horses. Ju.

Fifth Ward Railroad Co. H. S. White, President. S. B. Merrill, Vice-President, Secretary and Treasurer. Hugh Purnell, Superintendent. 3.48 miles, 4-8½ gauge, 35 and 56 lb. rail, 12 cars, 56 horses. V G.

New Brighton and Onondaga Valley Railroad Co. T. W. Meachem, President and Treasurer. Israel E. Britton, Secretary. Edward Harnden, Superintendent. 1⅞ miles, 4-8½ gauge, 16 and 35 lb. rail, 5 cars, 10 horses. Ju.

Seventh Ward Railway Co. Edw. F. Rice, President. R. S. Sperry, Vice-President. E. J. Rice, Secretary. F. Purnell, Superintendent. 3 miles, 4-8½ gauge, 45 and 47 lb. s. b. rail, 6 cars, 26 horses. Ju.

*Third Ward Railway Co. W. S. Wales, President and Treasurer. James Devine, Secretary. S. D. Lake, Superintendent. 4 miles, 4-8½ gauge, 35 and 50 lb. rail, Thomson-Houston system. Ju.

Genesee and Water Street Railroad Co. Capital stock, $60,000; all paid in. F. S. Wicks, President. D. P. Wood, Vice-President. Geo. J. Gardner, Secretary and Treasurer. W. J. Hart, Superintendent. Annual meeting held in October. 4½ miles, 4-8½ gauge, 47 lb. rail, 12 cars, 60 horses. Ju.

Syracuse and Geddes Railway Co. Capital stock, $50,000; paid in, $35,000. R. Nelson Gere, President. Chas. E. Hubbell, Vice-President. R. A. Bould, Secretary and Treasurer. W. J. Hart, Superintendent. Annual meeting held in January. 2¼ miles, 4-8½ gauge, 30 and 47 lb. rail, 13 cars, 35 horses. S G.

TROY. Troy and Albia Horse Railroad Co. T. A. Knickerbacker, President. John Knickerbacker, Secretary and Treasurer. W. R. Bean, Superintendent. 3.33 miles, 4-8½ gauge, 35 and 45 lb. rail, 48 horses. Office is at Albia. Ju.

*Troy and Lansingburg Railroad Co. Capital stock, $400,000; all paid in. Chas. Cleminshaw, President. Joseph B. Carr, Vice-President. J. J. Hagen, Secretary and Treasurer. C. H. Smith, Superintendent. Annual meeting held in January. 4-8½ gauge, 45 and 60 lb. rail, 15 motor cars, 92 horse cars, 334 horses, Sprague system. Z H.

UTICA. Utica Belt Line Street Railroad Co. J. Mather, President. J. W. Boyle, Vice-President. H. J. Benson, Secretary. Wm. E. Haycox, Superintendent. 26 miles, 4-8½ gauge, 42, 47 and 60 lb. T rail, 38 cars, 227 horses. Ju.

Utica, Clinton and Binghamton Street Railroad Co. Jas. J. Scollard, President. Robt.

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S. Williams, Secretary and Treasurer. Leased to and operated by Utica Belt Line Street Railroad Co.

Utica and Mohawk Railroad Co. Jas. F. Mann, President. R. W. Sherman, Vice-President. Wm. E. Lewis, Secretary. Geo. D. Dimon, Treasurer. 3¾ miles, 4-8½ gauge, 47 lb. rail, 16 cars, 24 horses. Ju.

Oneida Street Railroad Co. Capital stock, $40,000; all paid in. Henry Neys, President. D. L. Jones, Jr., Vice-President. Frank J. Cronk, Secretary. Wm. C. Willcox, Treasurer. J. M. Oatley, Superintendent. Annual meeting held in June. 1½ miles, 35 lb. rail, 3 cars, 6 horses. Ju.

WATERFORD. Waterford and Cohoes Railroad Co. Thos. Breslin, President. C. C. Ormsby, Secretary. Leased by the Troy and Lansingburg Railroad Co.

YONKERS. Yonkers Street Railway Co. Edmund Stephenson, President. Thos. W. Smith, Secretary. D. B. Hatch, Treasurer. D. Webster Stephenson, Superintendent. 5½ miles, 4-8½ gauge, 42 and 48 lb. rail, 14 cars, 88 horses. Ju.

NORTH CAROLINA.

ASHEVILLE. *Asheville Street Railway Co. W. T. Peniman, President. S. W. Battle, Vice-President. T. W. Patton, Secretary and Treasurer. 3 miles, 4-8½ gauge, 35 lb. rail, 8 cars, Sprague system. Ju.

CHARLOTTE. Charlotte Street Railway Co. E. K. P. Osborne, President. I. H. Wilson, Superintendent. 3½ miles, 4-8½ gauge, 16 lb. rail, 5 cars, 5 mules, 37 horses. Ju.

DURHAM. Durham Street Railway Co. W. T. Blackwell, President. R. D. Blackwell, Vice-President. John L. Markham, Secretary and Treasurer. 2 miles, 4-8½ gauge, 4 cars, 9 horses. Ju.

HENDERSONVILLE. Hendersonville Street Railway Co. S. V. Pickens, General Manager. ⅝ mile, 4-8½ gauge, 30 lb. steel rail, 2 cars, 4 horses.

RALEIGH. Raleigh Street Railway Co. Capital stock, $25,000. V. E. Turner, President. F. H. Busbee, Vice-President. R. T. Gray, Secretary and Treasurer. 5 miles, 4-8½ gauge, 35 and 16 lb. T steel rail, 8 cars, 21 mules, 26 horses. Ju.

WILMINGTON. Wilmington Street Railway Co. Capital stock, $50,000; all paid in. J. D. Bellamy, Jr., President, C. M. Stedman, Vice-President. F. H. Stedman, Secretary and Treasurer. W. H. Howell, Superintendent. Annual meeting held in June. 4½ miles, 4-8½ gauge, 32 lb. rail, 11 cars, 42 horses. Ju.

WINSTON. Winston-Salem Street Railway Co. 75.

OHIO.

AKRON. *Akron Street Railroad Co. Capital stock, $200,000; all paid in. J. F. Seiberling, President. J. S. Casement, Vice-President. F. A. Seiberling, Secretary and Treasurer. J. E. Metlin, Superintendent. Annual meeting held in January. 12 miles, 4-8½ gauge, 52 lb. rail, 25 cars, Sprague system. Ju.

ALLIANCE. *Alliance Street Railway Co. Capital stock, $100,000; paid in, $80,000. W. W. Hazzard, President and Treasurer. W. H. Whitacre, Secretary and Superintendent. Annual meeting held in January. 2 miles, 4-8½ gauge, 45 lb. rail, 3 cars, Thomson-Houston system. Q 85.

ASHTABULA. Ashtabula City Railway Co. John N. Stewart, Owner and Proprietor. S. C. Stewart, Secretary and Treasurer. 4 miles, 4-8½ gauge, 40 lb. T rail, 9 cars, 60 horses. Ju.

BELLAIRE. Bellaire Street Railway Co. Capital stock, $50,000; all paid in. N. O. Crane, President. Dr. C. Beard, Secretary. Fred Rodewig, Superintendent. 2½ miles, 4-8½ gauge, 20 lb. rail, 5 cars, 15 horses. Ju.

BEREA. Berea Street Railroad Co. C. W. D. Miller, President. F. T. Pomeroy, Treasurer. A. W. Bishop, Superintendent. 1 mile, 3-6 gauge, 25 lb. rail, 2 cars, 4 horses. P P G.

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CHILLICOTHE. Chillicothe Street Railroad Co. E. P. Safford, President. A. C. Wemis, Secretary. Wm. Poland, Treasurer. 2 miles, 3 gauge, 16 lb. rail, 7 cars, 20 mules. Ju.

CINCINNATI. † *Cincinnati Street Railway Co. Jno. Kilgour, President. Jas. A. Collins, Secretary. R. A. Dunlap, Treasurer. John Harris, Superintendent. 100 miles, 5-2 gauge, 42 and 52 lb. rail, 275 cars, 1,800 to 2,000 horses, 8 miles cable, 2½ Thomson-Houston system.

†Mt. Auburn Cable Railway Co. Capital stock, $600,000; paid in, $300,000. Henry Martin, President. Wm. F. Irwin, Secretary and Treasurer. J. D. Davies, Superintendent. Annual meeting held in September. 8½ miles, 5-2 gauge, 52 lb. rail, 45 cars, cable system. Ju.

Coleraine Avenue Railroad Co. 75.

Columbia and Cincinnati Street Railway Co. Capital stock, $250,000. J. S. Highlands, President. A. N. Meier, Secretary. C. G. Gove, Treasurer. C. N. Kilgom, Superintendent. Annual meeting held in January. 2½ miles, 3 and 5-2 gauges, 35 lb. rail, 10 cars, 16 horses. Ju.

*Mt. Adams and Eden Park Inclined Railway Co. Capital stock, $1,300,000; paid in, $1,193,250. John Kilgour, President and General Manager. James A. Collins, Secretary and Treasurer. John C. Weaver, Superintendent. Annual meeting held in January. 20 miles, 5-2½ gauge, 52 lb. rail, 150 cars, 200 horses, also Thomson-Houston system. Ju.

CANTON. *Canton Street Railway Co. Capital stock, $300.000; all paid in. A. L. Conger, President. F. M. Atterholt, Vice-President. F. A. Wilcox, Secretary. F. A. Seiberling, Treasurer. W. E. Slabaugh, Superintendent. Annual meeting held in January. 40 lb. rail, 18 cars, Sprague system. Ju.

Lakeside Street Railroad Co. A. L. Conger, President. F. M. Atterholt, Vice-President. F. A. Wilcox, Secretary. F. A. Seiberling, Treasurer. 2½ miles, 4 gauge, 30 lb. T rail, 9 cars, 25 horses, Summer line.

CLEVELAND. *East Cleveland Railroad Co. A. Everett, President. J. H. Wade, Vice-President. H. A. Everett, Secretary and Treasurer. E. Duty, Superintendent. 33 miles, 4-8½ gauge, 52 lb. steel girder rail, 132 cars, 250 horses, Sprague system. S H.

Superior Street Railroad Co. Frank De H. Robison, President. John Koch, Vice-President. J. H. Robison, Secretary. M. S. Robison, Jr., Treasurer and Superintendent. 15 miles, 4-8½ gauge, 45 lb. rail, 55 cars, 270 horses. W H.

Cleveland City Cable Railway Co. Frank De H. Robison, President. Geo. H. Holt, Vice-President. John J. Shipherd, Secretary. M. G. Robison, Treasurer. 32 miles, 4-8½ gauge, 78 lb. steel T rail, 80 to 100 cars, 500 horses. Ju.

Woodland Avenue and West Side Street Railroad Co. M. A. Hanna, President. C. F. Emery, Vice-President. J. B. Hanna, Secretary. Geo. C. Mulhern, Superintendent. 42 miles, 4-8½ gauge, 41 and 78 lb. Wharton girder rail, 145 cars, 735 horses. G 85.

*Broadway and Newburgh Street Railroad Co. Horace E. Andrews, President. John J. Stanley, Vice-President and Superintendent. Edwin Fowler, Secretary and Treasurer. Annual meeting held in January. 8½ miles, 4-8½ gauge, 82 lb. rail, 71 cars, Sprague system. Ju.

*Brooklyn Street Railroad Co. Tom L. Johnson, President. A. L. Johnson, Vice-President. H. J. Davies, Secretary. J. J. Coleman, Superintendent. Annual meeting held in February. 23 miles, 4-8½ gauge, 52 and 78 lb. girder rail, 120 cars, 50 horses, Thomson-Houston system. Y Y G.

*South Side Street Railroad Co. A. L. Johnson, President. Tom L. Johnson, Vice-President. H. J. Davies, Secretary and Treasurer. J. J. Coleman, Superintendent. Annual meeting held in February. 9 miles, 4-8½ gauge, 78 lb. girder rail, 20 cars, 10 horses, Thomson-Houston system. Ju.

COLUMBUS. *Columbus Consolidated Street Railroad Co. A. D. Rogers, President. H. F. Chittenden, Vice-President. E. K. Stewart, Secretary and Treasurer. J. H.

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Atcherson, Superintendent. 30 miles, 5-2 gauge, 52 and 58 lb. girder rail, 127 cars, 550 horses, 2 miles Short electric system. G 85.

Glenwood and Greenlawn Street Railroad Co. A. D. Rogers, President. B. S. Brown, Vice-President. R. R. Rickly, Secretary and Treasurer. Jonas Wilcox, Superintendent. 4½ miles, 3-6 gauge, 24 lb. rail, 8 cars, 25 horses. G 85.

Columbus Electric Railway Co. 1½ miles, 4 cars, Short system. Ju.

DAYTON. Dayton Street Railroad Co. Capital stock, $300,000; all paid in. C. J. Ferneding, President. G. M. Rogers, Vice-President. Wm. H. Simms, Secretary. A. W. Anderson, Superintendent. Annual meeting held in April. 38 miles, 4-8½ gauge, 45 lb. rail, 26 cars, 118 horses. Ju.

The Wayne and Fifth Street Railroad Co. Capital stock, $100,000; paid in, $33,000. George W. Shaw, President. Ezra Bimm, Vice-President. Eugene Wuichet, Secretary and Treasurer. R. Nelson, Superintendent. Annual meeting held in September. 4 miles, 4-8½ gauge, 38 lb. rail, 10 cars, 55 horses. Ju.

*The Dayton and Soldiers' Home Railroad Co. Capital stock, $100,000; all paid in. D. B. Corwin, President. Y. C. Pierce, Secretary and Treasurer. T. E. Howell, Superintendent. Annual meeting held in January. 2 miles, 4-8½ gauge, 45 lb. rail, 2 cars, Sprague system. Ju.

*White Line Street Railroad Co. Capital stock, $200,000. John A. McMahon, President. A. G. Clark, Vice-President. J. E. Lowes, Secretary. Michael A. Nipgen, Treasurer. John A. Watson, Superintendent. 9 miles, 4-8½ gauge, 42 lb. steel rail, 25 cars, Van Depoele system. Ju.

Fith Street Railroad Co. D. B. Corwin, President. J. C. Pierce, Secretary and Treasurer. T. E. Howell, Superintendent. 7 miles, 4-8½ gauge, 45 lb. rail, 18 cars, 64 horses, Ju.

Oakwood Street Railway Co. Gharles B. Clegg, President. A. L. Stout, Vice-President. L. Lorenz, Secretary. 6 miles, 4-8½ gauge, 38 lb. girder rail, 18 cars, 75 horses. Ju.

DEFIANCE. Defiance Street Railway Co. Capital stock, $25,000. Andrew Sauen, President. Chas. E. Bronson, Vice-President. William Carter, Secretary. Fred. L. Hay, Treasurer. Annual meeting held in January. Will commence to lay rails this season. R R G.

FINDLAY. Findlay Street Railway Co. G. B. Kerper, President. Chas. D. Kinney, Treasurer. Chas. Smith, Superintendent. 11 miles, 4-8½ gauge, 25 lb. T. rail, 15 cars, 50 horses. Ju.

FRANKFORT. Price Hill Inclined Plane Railroad Co. 75.

HAMILTON. *Hamilton Street Railway Co. Ellis M. Potter, President. Chas. E. Heiser, Secretary. W. M. Dingfelder, Treasurer. 7 miles, 4-8½ gauge, flat rail, 6 cars, electric system.

IRONTON. The Ironton and Petersburg Street Railway Co. Capital stock, $100,000. C. H. Harman, President. Gen. W. A. Enochs, Vice-President. Wm. M. Kerr, Secretary and Treasurer. B. Flanagan, Superintendent. 5½ miles, 4-8½ gauge, 30 lb. rail, 10 cars, 34 horses. Ju.

LAKESIDE. Electric Railway Co. 3 miles, open cars. Ju.

LIMA. *The Lima Street Railway, Motor and Power Co. B. C. Faurot, President. S.W. Moore, Treasurer and Superintendent. 4 miles, 8 cars, Van Depoele system. G 85.

MANSFIELD. *Mansfield Electric Street Railway Co. Capital stock, $75,000; all paid in. Mansell Van Rensselaer, Jr., New York, President. Huntington Brown, Vice-President. J. E. Brown, Secretary. S. A. Ringle, Treasurer. Geo. W. Macey, Superintendent. 4½ miles, 4-8½ gauge, 42 lb. rail, 5 cars, Daft system. Ju.

MIDDLETOWN. Middletown and Madison Street Railroad Co. C. F. Gunckel, President. E. W. Gunckel, Secretary and Treasurer. D. L. Sutphin, Superintendent. 2 miles, 4-8½ gauge, 4 cars, 8 horses. Ju.

NEWARK. Newark City Railway Co Capital stock, $200.000; paid in, $120,000. J.W.

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Lanchard, President. C. J. Ford, Secretary and Treasurer. C. A. Lark, Superintendent. Annual meeting held in January. 7¼ miles, 4-8½ gauge, 35 lb. rail, 12 cars, 40 horses and 60 mules. Ju.

*Newark and Granville Electric Street Railway Co. R. Scheidler, President. P. S. Phillips, Vice-President. J. A. Florey, Secretary. F. A. Crain, Treasurer. 7 miles, 4-8½ gauge, 35 lb. T and s. b. rail, 1 car, Sprague system. Ju.

PIQUA. *Piqua Street Railway Co. Capital stock, $75,000; all paid in. A. M. Orr, President. D. Spencer, Vice-President. F. C. Davies, Secretary and Superintendent. M. Flesh, Treasurer. Annual meeting held in September. 4 miles, 4-8½ gauge, 35 and 45 lb. rail, 4 cars, Sprague system. V V H.

PORTSMOUTH. Portsmouth Street Railroad Co. James Skelton, President. Geo. B. Chase, Treasurer and Superintendent. 4½ miles, 3-6 gauge, 18 lb. rail, 8 cars, 10 horses. Ju.

SALEM. *Salem Electric Street Railway Co. Capital stock, $100,000; all paid in. Dr. J. M. Hole, President. John E. Rodgers, Vice-President. J. W. Northrop, Secretary, W. W. Hazzard, Treasurer. E. Whildrey, Superintendent. W. H. Whildrey, Manager. Annual meeting held in September. 2½ miles, 4-8½ gauge, 45 lb. rail, 3 cars, Thomson-Houston system. Ju.

SANDUSKY. Sandusky Street Railway Co. Capital stock, $75,000; all paid in. J. O. Moss, President. A. C. Moss, Secretary and Treasurer. Clark Rude, Superintendent. Annual meeting held in January. 4.68 miles, 4-8½ gauge, 32 and 45 lb. rail, 7 cars, 27 horses. V G.

STEUBENVILLE. *Steubenville Electric Railway Co. Capital stock, $70,000. R. S. Newcombe, President. Thornton N. Motley, Secretary and Treasurer. H. G. Davids, Superintendent. 3½ miles, 4-8½ gauge, 40 lb. s. b. rail, 10 cars, Sprague system. S G.

SPRINGFIELD. Citizens' Street Railroad Co. Capital stock, $200,000; all paid in. R. Mitchell, President. A. S. Bushnell, Vice-President. Chas. A. Harris, Secretary. W. H. Hanford, Superintendent. Annual meeting held in January. 12 miles, 4 gauge, 30 lb. rail, 28 cars, 148 horses. Y H.

TIFFIN. Tiffin Street Railway Co. D. A. Lindley, President. F. B. Williams, Secretary and Treasurer. Joseph Murphy, Superintendent. 5½ miles, 4-4½ gauge, 35 lb. girder rail, 17 cars, 36 horses. Ju.

TOLEDO. Toledo Consolidated Street Railway Co. Capital stock, $1,500,000; all paid in. Norman B. Ream, President. Albion E. Lang, Vice-President. Chas. L. Wight, Secretary. Wm. E. Hale, Treasurer. C. A. Denman, Superintendent. 42 miles, 4-8½ gauge, 56 lb. rail, 80 cars, 525 horses. X X G.

*Toledo Electric Railway Co. Eugene Griffin, President. Alfred A. Glasier, Treasurer. J. D. Wilkes, Superintendent. 2.8 miles, 4-8½ gauge, 45 lb. rail, 3 motors, 3 trail cars, Thomson-Houston system. Ju.

YOUNGSTOWN. Youngstown Street Railroad Co. Capital stock, $60,000; paid in, $40,000. James Parmeber, President. Wm. Cornelius, Vice-President and Treasurer. H. K. Taylor, Secretary. Joseph O'Neil, Superintendent. 2½ miles, 6 cars, 19 horses. Ju.

ZANESVILLE. Zanesville and McIntire Street Railway Co. F. M. Townsend, President. W. C. Townsend, Secretary. O. N. Townsend, Treasurer. 3 miles, 3-6 gauge, 38 lb. rail, 16 cars, 48 mules and horses. V G.

OREGON.

ASTORIA. Astoria Street Railway Co. Capital stock, $200,000; paid in, $60,000. J. W. Conn, President. W. A. Sherman, Vice-President. F. W. Newell, Secretary and Superintendent. Annual meeting held in November. 3 miles, 3-6 gauge, 30 lb. rail, 8 cars, 25 horses.

PORTLAND. Portland Street Railway Co. Joseph Holladay, President. H. S. Holmes, Secretary. 2 miles, 3-6 gauge, 42 lb. c. b. rail, 10 cars, 50 horses. S G.

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Transcontinental Street Railway Co. Tyler Woodward, President. D. W. Wakefield, Secretary. 14 miles, 3-6 gauge, 25 and 38 lb. girder rail, 36 cars, 175 horses. W H.

*Woodstock and Waverly Electric Railway Co. 5¼ miles, 4 cars, Thomson-Houston system. Ju.

*Metropolitan Railway Co. Capital stock, $400,00; paid in, $200,000. G. A. Steel, President and Superintendent. J. J. Chambreau, Secretary. James Steel, Treasurer. 4⅛ miles, 4-8½ gauge, 80 lb. T rail, 13 cars, Sprague system.

*Multnomah Street Railway Co. Capital stock, $100,000; all paid in. Geo. B. Markle, President. V. B. De Lashmutt, Vice-President D. F. Sherman, Secretary and Treasurer. J. E. Theilsen, Superintendent. Annual meeting held in January. 1½ miles, 3-6 gauge, 30 lb. rail, 31 cars, 64 horses, Sprague system. Ju.

*Willamette Bridge Railway Co. Capital stock, $200,000. H. C. Campbell, President. C. F. Swigert, Secretary and Treasurer. J. W. Campbell, Superintendent. 13 miles steam, 5.2 miles electric, 2.5 miles horse car, 3-6 gauge, 30 lb. rail, 12 horse, 6 electric, and 5 steam cars, 40 horses, 4 Baldwin motors, Sprague system. Electric line crosses two draw bridges. Ju.

†Portland Cable Railway Co. Capital stock, $300,000; all paid in. C. H. Woodward, President. A. W. Oliver, Vice-President. Ira B. Sturgis, Secretary. L. L. Hawkins, Treasurer. Geo. W. Lynch, Superintendent. Annual meeting held in April. 2½ miles, 3-6 gauge, 38 lb. rail, 12 cars, cable system. Ju.

SALEM. *Capital City Railway Co. 2 miles. 2 cars, Sprague system. Ju.

PENNSYLVANIA.

ALLENTOWN. Allentown Passenger Railway Co. Capital stock, $45,260. C. H. Haman, President. R. Flanighan, Secretary and Treasurer. J. A. Bonnell, Superintendent. 8 miles, 4-8½ gauge, 35 lb. s. b. rail, 19 cars, 75 horses. Ju.

ALLEGHENY. Federal Street and Pleasant Valley Passenger Railway Co. Capital stock, $100,000. D. F. Henry, President. Wm. H. H. Graham, Secretary. R. F. Ramsey, Treasurer. Wm. J. Crozier, Superintendent. 4.8 miles, 5-2 gauge, 50 lb. rail, 24 cars, 180 horses. Ju.

†Nunnery Hill Incline Plane Railway Co. Oliver P. Scaife, President. C. C. Scaife, Treasurer. Chas. W. Collins, Superintendent. 1,200 feet, 5 gauge, T rail, 2 cars, cable sytem. G 85.

ALTOONA. City Passenger Railway Co. Capital stock, $103,000; paid in, 68,000. John P. Dean, President. L. B. Reifsneider, Secretary and Treasurer. John J. Buck, Superintendent. Annual meeting held in January. 3¼ miles, 5-3 gauge, 45 lb. rail, 18 cars, 45 horses. Ju.

BELLEVUE. *Electric Railroad Co. ¼ miles, Fisher system. Ju.

BEAVER FALLS. Beaver Valley Street Railway Co. Capital stock, $30,000; all paid in. H. C. Patterson, President. J. F. Merriman, Secretary and Treasurer. J. H. Witherspoon, Superintendent. Annual meeting held in January. 3 1/10 miles, 5-2½ gauge, 38 lb. rail, 9 cars, 50 horses. S S H.

BRADDOCK. Braddock and Turtle Creek Street Railway Co. Capital stock, $10,000. David Mackey, President. Watkin Y. Williams, Secretary. Ju.

BRADFORD. Bradford and Kendall Railroad Co. Capital stock, $12,000. James Broder, President. G. H. Moore, Secretary. Enos Parsons, Treasurer. 1½ miles, 4-8½ gauge, 38 lb. rail, 3 cars, 5 horses. K K F.

CARBONDALE. Carbondale and Jermyn Electric Street Railway Co. 75.

CHESTER. Chester Street Railway Co. Capital stock, $100,000; all paid in. E. M. Cornell, President. Hugh Shaw, Vice-President. Albert A. Roof, Secretary and Treasurer. Annual meeting held in January. 7¼ miles, 5-2 gauge, 47 lb. rail, 18 cars, 80 horses. Ju.

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EASTON. Easton, South Easton and West End Passenger Railway Co. Capital stock, $120,000; all paid in. H. A. Sage, President. H. W. Cooley, Secretary and Treasurer. Elisha Burnell, Superintendent. Annual meeting held in January. 6 miles, 5-2½ gauge, 42 lb. rail, 17 cars, 45 horses. S G.

Lafayette Traction Co. 75.

*Pennsylvania Motor Co. Capital stock, $80,000; all paid in. J. Marshall Young, President. D. W. Nevin, Secretary and Treasurer. W. S. Blauvelt, Superintendent. W. P. Stevenson, General Manager. Annual meeting held in January. 2¼ miles, 5-2 gauge, 35 lb. rail, 4 cars, Daft system. Ju.

ERIE. *Erie Electric Motor Co. Gen. J. S. Casement, President. S. T. Everett, Vice-President. F. C. Bangs, Secretary. J. L. Sternberg, Treasurer. 21 miles, 4-8½ gauge, 52 lb. rail, 30 cars, Sprague system Ju.

*Erie City Passenger Railway Co. Erie Electric Motor Co., Lessees. Capital stock, $400,000; all paid in. J. S. Casement, President. S. T. Everett, Vice-President. F. C. Bangs, Secretary. J. L. Sternberg, Treasurer. J. F. Phetch, Superintendent. Annual meeting held in November. 15 miles, 4-8½ gauge, 45 and 52 lb. rail, 32 cars. Sprague system.

HARRISBURG. *East Harrisburg Passenger Railway Co. Capital stock, $150,000; paid in, $125,000. John L. Denney, President. T. D. Greenawalt, Vice-President. W. J. Calder, Secretary and Treasurer. F. B. Musser, Superintendent. Annual meeting held in January. 4½ miles, 5-2½ gauge, 52 lb. rail, 14 cars, Sprague and Thomson-Houston systems. W H.

Pennsylvania Motor Co. 75.

JOHNSTOWN. *Johnstown Passenger Railway Co. Capital stock, $250,000; all paid in. T. L. Johnson, President. John B. Hoefgen, Vice-President and Treasurer. B. L. Yeagley, Secretary. Annual meeting held in January. 8½ miles, 4-8½ gauge, 78 lb. rail, 20 cars, Short system. Ju.

LANCASTER. *Lancaster City Street Railway Co. John A. Coyle, President. Dr. M. L. Herr, Vice-President. J. Edward Ackley, Secretary. John H. Baumgardner, Treasurer. 6 miles, 5-2½ and 5-2¼ gauge, 38, 47 and 52 lb. rail, 14 cars, Daft system. Ju.

McKEESPORT. McKeesport Passenger Railway Co. Capital stock, $36,000; all paid in. J. C. Smith, President. D. Richardson, Superintendent. Annual meeting held in January. 2 miles, 5-2½ gauge, 38 lb. rail, 5 cars, 30 horses. F 85.

NORRISTOWN. Citizens' Passenger Railway Co. Capital stock, $80,000; paid in, $50,000. Geo. D. Bolton, President. John Slingluff, Vice-President. Geo. R. Kite, Secretary. Geo. Shannon, Treasurer. Chas. Naylor, Superintendent. Annual meeting held in January. 3 miles, 10 cars, 42 horses. Ju.

Norristown Passenger Railway Co. Capital stock, $50,000. H. M. Lutz, President. N. R. Haines, Secretary. J. C. Smith, Treasurer. Louis Heck, Superintendent. 4¼ miles, 5-2½ gauge, 45 lb. rail, 8 cars, 40 horses. Ju.

PHILADELPHIA. Empire Passenger Railway Co. Capital stock, $600,000. James McManes, President. D. W. Dickson, Secretary and Treasurer. 8½ miles, 5-2 gauge, 45 lb. B rail, 32 cars, 250 horses. Ju.

Hestonville, Mantua and Fairmount Passenger Railroad Co. Capital stock, $2,050,000. Chas. H. Lafferty, President. W. C. Foster, Secretary and Treasurer. 20 miles, 5-4½ gauge, 45 lb. rail, 60 cars, 500 horses. Ju.

Lombard and South Streets Passenger Railway Co. Capital stock, $500,000. Edward B. Murphy, President. R. B. Selfridge, Secretary and Treasurer. J. H. Fresh, Superintendent. 10 miles, 5-2 gauge, 43 lb. rail, 51 cars, 356 horses. Z H.

Manayunk and Roxborough Incline Plane Railway Co. Wm. Ring, Joshua Bond, B. Haney, J. Vaughn Merrick, H. G. Jones, Wm. J. Donahugh, C. I. McGlinchy, Directors. 5½ miles, 5-2½ gauge, 48 lb. rail, 8 cars, 32 horses. Ju.

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North Philadelphia Passenger Railway Co. Capital stock, $300,000. H. A. Stiles, President. F. H. Williams, Secretary and Treasurer. Ju.

People's Passenger Railway Co. Capital stock, $1,500,000. Edward B. Murphy, President. David C. Golden, Secretary and Treasurer. Chas. S. Whiting, Superintendent. 46 miles, 5-2 gauge, 47 lb. tram rail, 153 cars, 1,439 horses. Ju.

Green and Coates Railroad Co. Capital stock, $500,000. Moses A. Dropsie, President. S. Renshaw, Secretary and Treasurer. Leased to People's Passenger Railway Co.

Germantown Passenger Railway Co. Capital stock, $1,500,000. Craig D. Ritchie, President. Lewis S. Renshaw, Secretary and Treasurer. 29½ miles, 5-2½ gauge, 47 lb. rail. Leased to People's Passenger Railway Co.

Philadelphia City Passenger Railway Co. Capital stock, $1,000,000. Wm. W. Colket, President. T. W. Pennypacker, Secretary and Treasurer. 12.417 miles, 5-2½ gauge, 47 and 78 lb. rail, 132 cars, 708 horses. Z H.

†Philadelphia Traction Co. Capital stock, $5,000,000. W. H. Kemble, President. P. A. B. Widener and W. L. Elkins, Vice-Presidents. D. W. Dickson, Secretary and Treasurer. 109 miles, 5-2½ gauge, 47 lb. rail, 662 cars, 2,248 horses, 23 miles cable X X X H.

Philadelphia and Darby Railway Co. Capital stock, $200,000. Beauvean Borie, President. Wm. W. Colket, Secretary. 6½ miles, 5-2½ gauge, 42 lb. rail. Leased to Philadelphia City Passenger Railway Co.

Philadelphia and Gray's Ferry Passenger Railroad Co. Capital stock, $308,750. Matthew Brooks, President. J. Crawford Dawes, Secretary and Treasurer. W. H. Brooks, Superintendent. 10½ miles, 41 cars, 215 horses. W H.

Ridge Avenue Railway Co. Capital stock, $420,000. E. B. Edwards, President. Wm. S. Blight, Treasurer. Wm. Myers, Superintendent. 15 miles, 5-1 gauge, 48 lb. flat rail, 60 cars, 400 horses. Ju.

Schuylkill River Passenger Railway Co. Capital stock, $500,000. Oliver Hopkinson, President. J. Crawford Dawes, Secretary. 3.11 miles, 5-2 gauge, 44 lb. rail. Leased to Philadelphia and Gray's Ferry Passenger Railroad Co.

Second and Third Streets Passenger Railway Co. Capital stock, $1,060,200. Alexander M. Fox, President. Chas. D. Matlack, Secretary. Wm. F. Miller, Treasurer. D. W. Stephens, Superintendent. 37 miles, 5-2½ gauge, 43 and 55 lb. rail, 116 cars, 675 horses. X X H.

Seventeenth and Nineteenth Streets Passenger Railway Co. Capital stock, $500,000. Matthew S. Quay, President. John B. Peddle, Secretary and Treasurer. 7½ miles. Leased to Philadelphia Traction Co.

Union Passenger Railway Co. Capital stock, $1,500,000. Wm. H. Kemble, President. P. A. B. Widener, Vice-President. John B. Peddle, Secretary and Treasurer. Jacob C. Petty, Superintendent. 70 miles, 348 cars, 1,724 horses. Leased to Philadelphia Traction Co.

West Philadelphia Passenger Railway Co. Capital stock, $750,000. Peter A. B. Widener, President. D. W. Dickson, Secretary and Treasurer. Jas. T. Gorman, Superintendent. 18½ miles, 5-2½ gauge, 47 lb. rail, 122 cars, 112 horses. X H.

Thirteenth and Fifteenth Streets Passenger Railway Co. Capital stock, $1,000,000; all paid in. B. S. Kunkel, President. Alex. Renneck, Secretary and Treasurer. W. P. Cooper, Superintendent. 15 miles, 5-2 gauge, 47 lb. rail, 80 cars, 625 horses. Z H.

Citizens' Passenger Railway Co. Capital stock, $500,000; paid in, $192,500. Chas. E. Ellis, President. John Q. Adams, Secretary and Treasurer. A. B. Scarborough, Superintendent. Annual meeting held in January. 10½ miles. 5-2 gauge, 47 lb. rail, 65 cars, 400 horses. Z H.

Frankford and Southwark Philadelphia City Passenger Railroad Co. Capital stock, $1,000,000; all paid in. J. J. Sullivan, President. George S. Gandy, Vice-President. Thomas A. Harris, Secretary. R. C. Brewster, Treasurer. W. H. Janney, Superintendent. 18 miles, 5-2 gauge, 47 lb. rail, 108 cars, 672 horses. Ju.

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PITTSBURGH. †Central Traction Co. Capital stock, $100,000. Geo. I. Whitney, President. T. A. Gillespie, Vice-President. I. R. McGinley, Secretary. F. L. Stephenson, Treasurer. W. C. Smith, Superintendent. 7 miles, 5-2½ gauge, 60 lb. girder rail, 30 cars, 86 horses, cable system. Ju.

†Citizens' Traction Co. Capital stock, $2,500,000. Jno. G. Holmes, President. H. S. A. Stewart, Vice-President. C. M. Gormly, Secretary. N. Holmes, Treasurer. J. E. Rugg, Superintendent. 25 miles, 5-2½ gauge, 50, 56 and 60 lb. rail, 160 cars, 350 horses, 12 miles cable. X X X H.

*Federal Street and Pleasant Valley Passenger Railway Co. D. F. Henry, President. Wm. H. Graham, Secretary. R. F. Ramsay, Treasurer. Wm. J. Crozier, Superintendent. 18 miles, 5-2 gauge, 66 lb. girder rail, 60 cars, 200 horses, 87 electric motors. Consolidated with People's Park Passenger Railroad and Observatory Hill Railway.

†Fort Pitt Incline Plane Railway Co. Capital stock, $60,000. Wm. Flinn, President. S. H. French, Secretary. L. H. Williams, Treasurer. 700 feet, 10 gauge, 2 cars, cable system. Ju.

Forty-Third Street and Millvale Street Railway Co. P. W. Siebert, President and Superintendent. C. Van Buren, Jr., Secretary. J. T. Keil, Treasurer. 2 miles, 5-2 gauge, 48 lb. rail, 5 cars, 16 horses. Ju.

†Monongahela Inclined Plane Railway Co. Capital stock, $150,000. Sam'l Harper, President. John L. Awl, Secretary, Treasurer and Superintendent. 640 feet, 5 gauge. 42 and 56 lb. rail, 4 cars, cable system. Ju.

Mt. Oliver Inclined Railway Co. Capital stock, $100,000. C. J. Schultz, President. Dan'l Beech, Secretary and Treasurer. M. S. Holden, Superintendent. 8,972 feet, 4-8½ and 5-2½ gauge, 42 lb. rail, 7 cars, 20 horses. Ju.

Pittsburgh, Allegheny and Manchester Passenger Railway Co. Capital stock, $850,000. John H. Dalzell, President. Chas. Seibert, Secretary and Treasurer. James C. Cotton, Superintendent. 10 miles, 5-2½ gauge, 45 lb. rail, 47 cars, 356 horses. Y H.

Pittsburgh Union Passenger Railroad Co. Capital stock, $100,000. W. Dalzell, President. Chas. Seibert, Secretary. J. J. Donnell, Treasurer. James C. Cotton, Superintendent. 8 miles, 5-2½ gauge, 47 lb. rail, 23 cars, 142 mules and horses. Ju.

Pittsburgh and Birmingham Traction Co. Capital stock, $200,000. Sellers McKee, President. J. A. Curry, Secretary. Daniel Beach, Treasurer. Miller Elliott, Superintendent. 7 miles, 5-2½ gauge, 47 lb. rail, 34 cars, 190 horses. Ju.

Pittsburgh and West End Passenger Railway Co. Capital stock, $200,000. John C. Reilly, President and Treasurer. Thos. S. Bigelow, Secretary. Wm. J. Burns, Superintendent. 9 miles, 5-2½ gauge, 45 lb. rail, 21 cars, 130 horses. W W G.

*Second Avenue Passenger Railway Co. Capital stock, $30,000. Jas. V. Callery, President. C. G. Melnor, Secretary. J. W. Taylor, Treasurer. 10 miles, 5-2½ gauge, 52 lb. Johnson and 45 lb. steel and flat tram rail, 16 cars, 55 horses, 10 Thomson-Houston cars.

South Side Passenger Railroad Co. D. Z. Brickell, President. J. A. Curry, Secretary. W. T. Wallace, Treasurer. Miller Elliott, Superintendent. 6 miles, 5-2½ gauge, 47 lb. rail, 8 cars, 60 horses. Controlled by Pittsburgh and Birmingham Traction Co.

†St. Clair Incline Plane Railway Co. Capital stock, $60,000. Thos. Mellon, President. Geo. B. Blood, Vice-President. W. S. Jones, Secretary. Jas. M. Eccles, Treasurer. 56 lb. rail, 2 cars, cable system. Ju.

*Suburban Rapid Transit Railway Co. Jno. Phillips, President. Thos. A. Noble, Secretary and Treasurer. 3 miles, 5-2½ gauge, 52 lb. rail, 3 cars, Daft system. Ju.

†The Pittsburgh Traction Co. Capital stock, $2,500,000; paid in, $1,750,000. G. W. Elkins, President. Thos. S. Bigelow, Vice-President. Geo. L. McFarland, Secretary. W. McCandless, Treasurer. Annual meeting held in November. 11 miles, 5-2½ gauge, 66½ lb. rail, 40 cars, cable system. X X X H.

Transverse Passenger Railway Co. Capital stock, $300,000. C. L. Magee, President. C. F. Klopfer, Vice-President. Wm. R. Ford, Secretary and Treasurer. Miller

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Elliott, Superintendent. 6½ miles, 5-2 gauge, 52 lb. rail, 39 cars, 248 horses. Leased to Citizens' Traction Co.

*Pittsburgh, Knoxville and St. Clair Street Railway Co. Capital stock, $180,000; all paid in. Thos. Evans, President. J. W. Patterson, Secretary. Henry Staum, Treasurer. W. J. Fawcett, Superintendent. 2 miles, 5-2½ gauge, 45 lb. rail, 5 cars, Daft system. Ju.

POTTSVILLE. People's Railway Co. Capital stock, $250,000; paid in, $100,000. T. A. Reilly, President. Wm D. Pollard, Secretary, Treasurer and Superintendent. 4½ miles, 4-8½ gauge, 60 and 45 lb. rail, steam motors and horses. Ju.

PITTSTON. Pittston Street Car Co. Capital stock, $10,000. Isaac Everitt, President. E. W. Mulligan, Secretary. M. W. Morris, Treasurer. 1¾ miles, 5-2 gauge, 42½ lb. flat rail, 3 cars, 8 horses. Ju.

READING. *East Reading Railroad Co. Capital stock, $100,000; paid in, $50,000. A. J. Brumbach, President. J. G. Lienbach, Vice-President. A. H. Fegley, Secretary and Treasurer. Wm. Conrad, Superintendent. Annual meeting in January. 3 miles, 5-2½ gauge, 52 and 38 lb. rail, Sprague system. Ju.

Reading City Passenger Railway Co. Capital stock, $200,000. B. F. Owen, President. Jas. L. Douglass, Vice-President. H. A. Muhlenberg, Secretary and Treasurer. J. A. Rigg, Superintendent. 16 miles, 5-2½ gauge, 38, 45, 50 and 52 lb. tram and girder rail, 70 cars, 250 horses. W H.

SCRANTON. *Scranton Passenger Railway Co. Capital stock, $50,000; all paid in. L. A. Watres, President. R. C. Adams, Secretary. A. A. Christy, Treasurer. A. B. Cox, Superintendent. 2 miles, 4-8½ gauge, 45 lb. rail, 5 cars, Thomson-Houston system. Ju.

*People's Street Railway Co. Capital stock, $400,000. Lathrop R. Bacon, President. P. S. Page, Vice-President. Horace E. Hand, Secretary and Treasurer. G. S. Shenck, Superintendent. 15 miles, 4-8½ gauge, 45 lb. flat and T rail, 20 cars, Sprague system. W W G.

*Nayaug Cross-Town Railroad Co. 1½ miles, 3 cars, Thomson-Houston system. N G.

*Scranton Suburban Railway Co. Arthur J. Moulton, President. H. E. Hand, Secretary and Treasurer. 10 miles, 4-8½ gauge, 35 lb. T and 52 lb. girder rail, 17 cars, Thomson-Houston system. P P G.

STROUDSBURG. Stroudsburg Passenger Railway Co. Capital stock, $25,600. J. Lantz, President and Treasurer. Jacob Houser, Secretary. 1¾ miles, 4-8½ gauge, 28 and 30 lb. rail, 3 cars, 10 horses. Ju.

WILKES BARRE. *Wilkes Barre and West Side Railway Co. Capital stock, $50,000; all paid in. Jno. B. Reynolds, President. S. B. Vaughn, Vice-President. Pierce Butler, Secretary and Treasurer. C. R. Eberle, Superintendent. 3½ miles, 4-8½ gauge, 40 and 52 lb. rail, 5 cars, Sprague system. Ju.

Wilkes Barre and Kingston Passenger Railway Co. Capital stock, $100,000. Wm. J. Harvey, President. A. J. Davis, Secretary and Treasurer. 3 miles, 5-2 gauge, 30 and 45 lb. rail, 10 cars, 22 horses. Ju.

Coalville Passenger Railway Co. Capital stock, $62,375. Geo. W. Kerkendall, President. Geo. Loveland, Secretary and Treasurer. A. S. Orr, Superintendent. 2½ miles, 4-8½ gauge, 20 and 34 lb. rail, 3 cars, 18 horses Ju.

*Wilkes Barre and Suburban Street Railway Co. Capital stock, $100,000. J. W. Hollenback, President. M. L. Driesbach, Vice-President. E. H. Chase, Secretary. C. Walter, Treasurer. W. A. Armstrong, Superintendent. 6½ miles, 5-2 gauge, 50 lb. rail, 5 cars, Sprague system. Ju.

WILLIAMSPORT. Williamsport Passenger Railway Co. Capital stock, $75,000; all paid in. John Lawshe, President H. C. Parsons, Vice-President. John G. Reading, Jr., Secretary. R. J. C. Walker, Treasurer. Wm. Haines, Superintendent. Meetings held in January and July. 5½ miles, 4-8½ gauge, 38 and 42 lb. rail, 8 cars, 52 horses. R F.

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YORK. York Street Railway Co. Capital stock, $50,000; all paid in. W. H. Lanius, President. D. K. Trimmer, Secretary. C. S. Weiser, Treasurer. J. Fiddler, Superintendent. Annual meeting held in January. 4½ miles. 4-8½ gauge, 38 lb. rail, 15 cars, 32 horses. Ju.

RHODE ISLAND.

NEWPORT. *Newport Street Railway Co. Capital stock, $100,000; paid in, $98,100. A. C. Titus, President. J. Truman Burdick, Secretary and Treasurer. W. G. Owens, Superintendent. Annual meeting held in January. 4.17 miles, 4-8½ gauge, 40 lb. rail, 15 cars, Thomson-Houston system. Ju.

PAWTUCKET. Pawtucket Street Railway Co. Capital stock, $200,000; all paid in. Arnold B. Chase, President. A. H. Littlefield, Vice-President. Chas. F. Luther, Secretary. E. N. Littlefield, Treasurer. E. W. Adams, Superintendent. Annual meeting held in November. 8.4 miles, 4 gauge, 54 lb. rail, 23 cars, 135 horses. Ju.

PROVIDENCE. Union Railroad Co. Capital stock, $———; paid in, $1,500,000. Jesse Metcalf, President. Lucian Sharpe, Vice-President. C. A. Babcock, Secretary and Treasurer. A. T. Potter, Manager. Annual meeting held in November. 55½ miles, 4-8½ gauge, 47 and 54 lb. rail, 300 cars, 1,500 horses. X X H.

†Providence Cable Tramway Co. Walter Richmond, President. Wm. R. Talbot, Treasurer. 7½ miles, 4-8½ gauge, 41 lb. rail, 28 cars, 100 horses, 3 miles cable. G 85.

WOONSOCKET. Woonsocket Street Railway Co. Capital stock, $100,000; all paid in. Oscar J. Rathbun, President. Willard Kent, Secretary and Treasurer. Herbert Young, Superintendent. Annual meeting held in April. 5$\frac{6}{10}$ miles, 4-8½ gauge, 25, 30 and 50 lb. rail, 10 cars, 38 horses. Ju.

SOUTH CAROLINA.

CHARLESTON. Charleston City Railway Co. Jno. S. Riggs, President. Evan Edwards, Secretary and Treasurer. Jno. Mohlenhoff, Superintendent. 13 miles, 4-8½ gauge, 38 and 42 lb. rail, 35 cars, 136 horses. Y H.

Mt. Pleasant and Seaview City Railroad Co. 75.

Enterprise Railroad Co. A. F. Ravenel, President. W. E. Rayne, Secretary and Treasurer. T. W. Passailaigue, Superintendent. 15 miles, 5 gauge, 42 lb. rail, 39 cars, 95 horses. W W G.

COLUMBIA. Columbia Street Railway Co. Capital stock, $50,000; all paid in. W. R. Wistir, President. W. S. Opdyke, Treasurer. W. D. Starling, Superintendent. 4 miles, 4-8½ gauge, 30 lb. rail, 6 cars, 32 horses. Ju.

GREENVILLE. Street Railway Co. Gower & Reilly, Proprietors and Owners. T. C. Gower, President. G. G. Wells, Secretary. P. H. Reilly, Superintendent. 2½ miles, 5 gauge, 16 lb. rail, 7 cars, 3 mules. Ju.

MOULTRIEVILLE. Middle Street and Sullivan Island Railway Co. Capital stock, $15,000; all paid in. B. Callaghan, President. Frank F. Whilden, Secretary and Treasurer. B. Buckley, Superintendent. Annual meeting held in April. 2 miles, 4-8½ gauge, 30 lb. rail, 5 cars, 4 mules. Ju.

SOUTH DAKOTA.

RAPID CITY. Rapid City Street Railway Co. Capital stock, $50,000; paid in, $1,000. E. B. Chapman, President, D. R. Knull, Secretary, Treasurer and Superintendent. Annual meeting held in January. 3 miles, 2 cars, 4 horses. Ju.

SIOUX FALLS. City Street Railway Co. R. S. Pettigrew, President. L. T. Dunning, Vice-President. S. L. Tate, Secretary and Treasurer. 9 miles, 4-8½ gauge, 30 lb. rail, 6 cars, 40 horses. Ju.

South Dakota Rapid Transit Railroad Co. 75.

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WATERTOWN. Watertown and Lake Kampeska Railway Co. Capital stock, $100,000; paid in, $42,000. Chas. Joscelyne, President and Treasurer. A. C. Millette, Vice-President. R. B. Spicer, Secretary. Annual meeting held in January. 5½ miles, 4-8½ gauge, 35 lb. rail, 2 cars and 2 locomotives. Ju.

TENNESSEE.

ATHENS. Athens Mineral Land and Improvement Co. Capital stock, $25,000. W. N. Nixon, President. R. J. Fisher, Secretary and Treasurer. 2½ miles, 20 lb. T rail, 2 cars, 4 mules. Ju.

BRISTOL. Bristol Street Railway Co. Capital stock, $50,000; paid in, $15,000. J. M. Barker, President. S. L. King, Vice-President. A. D. Reynolds, Secretary and Treasurer. F. S. Sampson, Superintendent. Annual meeting held in July. 1½ miles, 4-8½ gauge, 25 lb. rail, 4 cars, 12 horses. Ju.

CLARKSVILLE. Clarksville Street Railway Co. Capital stock, $6,800. John F. Shelton, President. John W. Faxon, Secretary and Treasurer. 2 miles, 4-8 gauge, 16 lb. T rail, 3 cars, 18 horses. Ju.

CHATTANOOGA. City Street Railroad Co. Chas. A. Lyerly, President. E. Watkins, Vice-President. S. W. Devine, Secretary and Treasurer. 21 miles, 4-8½ gauge, 30 and 45 lb. T and girder rail, 48 cars, 190 horses. Z H.

Chattanooga Union Railway Co. C. E. James, President. G. S. Adams, Vice-President. Wm. E. Baskett, Secretary. F. Harris, Treasurer. H. Bowson, Superintendent. 38 miles, 4-8½ gauge, 56 lb. rail, 55 cars, dummy line. X X X H.

*Chattanooga Electric Railway Co. Chas. A. Lyerly, President. E. Watkins, Vice-President. Sam'l W. Divine, Secretary. W. H. Forbes, Superintendent. 4 miles, 4-8½ gauge, 30 and 45 lb. T and girder rail, 6 cars, Sprague system. V G.

COLUMBIA. Columbia Street Railway Co. Capital stock, $50,000. J. T. Craik, President. J. H. Dew, Secretary. E. C. McDewell, Treasurer. 2½ miles. 4-8½ gauge, 4 cars, 8 horses. Ju.

JACKSON. Jackson and Suburban Street Railroad Co. Capital stock, $50,000. C. P. Heath, President. J. H. Duke, Vice-President. J. H. Hunter, Secretary and Superintendent. J. L. Wisdom, Treasurer. 7 miles, 4 gauge, 30 lb. rail, 4 cars, 12 mules. Ju.

KNOXVILLE. *Knoxville Street Railroad Co. W. J. McAdoo, Jr., President. F. K. Hugher, Vice-President. S. G. Heiskell, Secretary. R. McAdoo, Treasurer. 13 miles, 4-8½ gauge, 45 lb. girder, 35 lb. T and 26 lb. rail, 21 cars, 100 mules and horses, 4½ miles, Thomson-Houston system. Ju.

Elmwood Dummy Line Co. A. P. White, President. J. Lipscomb, Secretary. 3 miles, 4-8½ gauge, 30 lb. T rail, 2 cars. Ju.

MEMPHIS. Citizens' Street Railroad Co. Napoleon Hill, President. Thos. Barrett, Vice-President. R. Dudley Frayser, Secretary. S. P. Read, Jr., Treasurer. 40 miles, 4-8½ and 5 gauge, 45 lb. tram and 38 lb. girder rail, 160 cars, 604 mules. Ju.

East End Railway Co. W. M. Sneed, President. B. M. Stratton, Vice-President. J. R. Long, Secretary. W. D. Bethell, Treasurer. 6 miles, 4-8½ gauge, 36 lb. T rail, 27 cars. Ju.

*City and Suburban Railway Co. Capital stock, $100,000; all paid in. Holmes Cummings, President. T. R. Duffin, Vice-President and Superintendent. John L. Norton, Secretary and Treasurer. Annual meeting held in January. 5 miles, 4-8½ gauge, 40 lb. rail, 5 cars, Thomson-Houston system.

*Jackson Mound Park Railroad Co. Capital stock, $100,000. Holmes Cummings, President. Theo. Krekel, Secretary. 6 miles, 4-9 gauge, 45 lb. rail, 8 cars, electric system. Ju.

Memphis and Fort Pickering Street Railway Co. G. V. Rambaut, President. D. E. Meyer, Secretary. 6 miles, 4-9 gauge, 30 lb. rail, 10 cars, 30 horses. Ju.

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Memphis and Prospect Park Railroad Co. Capital stock, $100,000. T. J. Latham, President. J. A. Van Hoose, Vice-President. T. A. Lamb, Secretary and Treasurer. 5 miles, 4-8½ gauge, 4 cars, steam system. Ju.

MURFREESBORO. The Murfreesboro Street Railway Co. Dr. Wm. Monon, President. T. B. Fowler, Secretary and Treasurer. P. P. Mason, Superintendent. 3 miles, 5 gauge, 20 lb. rail, 4 cars, 16 horses. Ju.

NASHVILLE. Overland Railway Co. Capital stock, $100,000. Wm. Morrow, President. Frank M. Morrow, Secretary and Treasurer. 8 miles, 4-8½ gauge, 45 lb. Johnson steel rail. 18 cars, steam system. Ju.

Nashville and Edgefield Railroad Co. 75.

McGavock and Mt. Vernon Horse Railroad Co. 75.

City Electric Railway Co. 75.

South Nashville Street Railroad Co. 75.

Main Street and Lichy Avenue Railway Co. 75.

Nashville and West Nashville Street Railway Co. W. Morrow, President. W. J. Freeman, Treasurer. S. C. Paine, Superintendent. 7 miles, 4-8½ gauge, 46 lb. rail, 12 cars, dummy line. Ju.

Citizens' Rapid Transit Co. Capital stock, $17,500; all paid in. W. H. Mitchell, President. Wm. S. Jones, Secretary and Treasurer. D. Deadrick, Superintendent. Annual meeting held in July. 4 miles, 5 gauge, 40 lb. rail, 4 cars. Material ordered for construction of road, but have not determined which electric system will be adopted. Ju.

WEST KNOXVILLE. West End Street Railroad Co. Capital stock, $250,000; all paid in. B. Braine, President. T. J. Thomas, Secretary, Treasurer and Superintendent. Annual meeting held in January. 2½ miles, 4-8½ gauge, 3 cars, 19 horses. Ju.

TEXAS.

AUSTIN. Austin City Railroad Co. Thos. J. Hurley, President. Ira H. Evans, Vice-President. Chas. T. Hicks, Secretary. 10 miles, 3-6 gauge, 30 lb. T rail, 28 cars, 108 mules. Contemplate electricity. S G.

BRENHAM. Brenham Street Railroad Co. 75.

DALLAS. Dallas Consolidated Railway Co. J. E. Schneider, President. Royal A. Ferris, Vice-President. J. T. Trezevant, Secretary. N. A. McMillan, Treasurer. M. J. Keenan, Superintendent. 20 miles, 4-8½ gauge, 30 and 40 lb. Johnson and T rail, 62 cars, 279 mules. Ju.

Dallas and Oak Cliff Railway Co. Capital stock, $460,000. T. L. Marsalis, President. J. E. Elliott, Vice-President. W. J. Storms, Secretary and Superintendent. E. L. Snodgrass, Treasurer. 5 miles, 4-8½ gauge, 35 and 65 lb. rail, 30 cars (5 motors). G 85.

*Dallas Rapid Transit Co. B. S. Walthen, President. L. Rees, Vice-President. J. L. Summerfield, Secretary. B. Blankenship, Treasurer. Geo. J. Boyle, Superintendent. Annual meeting held in April. 4½ miles, 4-8½ gauge, 40 lb. rail, 4 cars, Sprague system.

DENISON. Denison Street Railway Co. B. J. Derby, Manager. 4 miles, 4-1 gauge, 22 lb. T rail, 9 cars, 34 mules. X H.

EL PASO. Santa Fe Street and Jaurez Avenue Railway Co. Capital stock, $50,000; all paid in. L. T. White, President. J. J. Gordon, Vice-President. A. Larmour, Secretary, Treasurer and Superintendent. Annual meeting held in February. 2 miles, 4-8½ gauge, 38 lb. rail, 8 cars, 34 mules. Ju.

FORT WORTH. *Fort Worth Land and Street Railway Co. Capital stock, $400,000; all paid in. Thomas J. Hurley, President. George L. Hurley, Vice-President and Treasurer. Willis H. Post, Secretary. W. P. Quigg, Superintendent. Annual meeting held in September. 9¼ miles, 4 gauge, 30 lb. rail, 15 cars, National system. Ju.

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Fort Worth Street Railroad Co. 75.
Riverside Street Railway Co. 75.
Fort Worth and Arlington Heights Street Railway Co. 75.

GAINESVILLE. Gainesville City Railway Co. G. L. Hurley, President. Thomas J. Hurley, Vice-President. W. S. Smith, Secretary and Superintendent. 4½ miles, 3-6 gauge, 16 lb. T rail, 6 cars, 22 horses. G 85.

GALVESTON. Gulf City Street Railway and Real Estate Co. Capital stock, $150,000; paid in, $100,000. J. W. Burnett, President. P. S. Wren, Secretary and Treasurer. C. Hamerhouse, Superintendent. Annual meeting held in December. 10 miles, 4-8½ gauge, 25 and 30 lb. rail, 30 cars, 75 mules. Ju.

Galveston City Railroad Co. Wm. H. Sinclair, President. H. Kellner, Secretary. 40 miles, 4-8½ gauge, 30 lb. rail, 88 cars, 283 mules. Y Y G.

GREENVILLE. City Railway Co. Ira O. Wyse, President. F. P. Alexander, Secretary. J. P. Watson, Superintendent. 1 mile, 4-8½ gauge, 26 lb. rail, 2 cars, 5 mules. Ju.

HOUSTON. Houston City Street Railway Co. Capital stock, $100,000; all paid in. Wm. H. Sinclair, President. C. B. Holmes, Vice-President. H. F. MacGregor, Secretary and General Manager. F. Mundes, Superintendent. Annual meeting held in January. 16 miles, 4-8½ gauge, 25, 30 and 40 lb. rail, 45 cars, 130 horses. Ju.

LAMPASAS. Lampasas Springs Street Railway Co. Capital stock, $25,000; paid in, $15,000. R. E. Madday, President. W. H. Little, Secretary. N. Wallerich, Treasurer. E. P. Madday, Superintendent. 3 miles, 9 cars, 12 mules. Ju.

LAREDO. *Laredo Improvement Co. J. M. Hamilton, President. J. P. Flynn, Vice-President. Henry Fisher, Secretary and Treasurer. Geo. D. Hartson, Superintendent. 4 miles, 4 gauge, 25 lb. T rail, 6 cars, Sprague system. Ju.

International Bridge and Tramway Co. P. Ornelas, President. 5 miles, 45 in. gauge, 20 lb. rail, 20 cars, 50 mules and horses. Ju.

*Laredo City Railway Co. 5 miles, 7 cars, Sprague system. Ju.

LONGVIEW. Longview and Junction Street Railway Co. W. S. Mayfield, President. R. B. Levey, Secretary. F. S. Whaley, Treasurer. C. W. Booth, Superintendent. 1 mile, 3-6 gauge, 16 lb. rail, 2 cars, 4 horses. Ju.

PARIS. Paris Railway Co. Capital stock, $50,000; all paid in. D. H. Scott, President. J. H. Johnston, Vice-President. D. J. Baldwin, Jr., Secretary and Treasurer. R. F. Grimes, Superintendent. Annual meeting held in January. 4 miles, 4-8½ gauge, 36 lb. rail, 8 cars, 40 horses. S G.

SAN ANTONIO. San Antonio Street Railway Co. W. H. Weiss, President and Treasurer. J. Belknap, Vice-President. E. R. Norton, Secretary. J. W. Greer, Superintendent. 18 miles, 4 gauge, 38 lb. girder rail, 40 cars, 200 mules. Ju.

Prospect Hill Street Railroad Co. Sam. Maverick, President. L. Wm. Menger, Secretary and Treasurer. 1½ miles, 1 car, 2 horses. Ju.

SHERMAN. Sherman City Street Railroad Co. C. W. Botsell, President, Secretary and Superintendent. J. M. Botsell, Jr., Treasurer. 3½ miles, 5 gauge, 20 lb. rail, 11 cars, 54 mules. Ju.

College Park Electric Belt Line Co. 75.

VERNON. Vernon Street Railway Co. Capital stock, $20,000; paid in, $5,000. Joseph Schmitt, President. A. M. Bidlow, Vice-President. S. W. Lomax, Secretary and Treasurer. D. Lindsay, Superintendent. Annual meeting held in January. ¾ mile, 4 gauge, 20 lb. rail, 2 cars, 4 mules.

VICTORIA. Victoria Street Railway and Improvement Co. Capital stock, $25,000; paid in, $9,700. L. D. Heaton, President. J. M. Brownson, Vice-President. Chas. G. Lane, Secretary and Treasurer. C. L. Thurmond, Superintendent. Annual meeting held in June. 2¼ miles, 4 gauge, 20 lb. rail, 3 cars, 12 mules. Ju.

WACO. Waco Street Railway Co. Capital stock, $100,000; paid in, $80,000. E. Rohan,

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President. W. B. Fort, Vice-President. J. W. Sedbeng, Secretary. F. W. Fort, Treasurer. W. H. Long, Superintendent. Annual meeting held in October. 10 miles, 4-8½ gauge, 30 and 35 lb. rail, 26 cars, 75 horses. V V H.

UTAH.

OGDEN CITY. Ogden City Railway Co. Robert Robinson, President. H. K. Thurber, Vice-President. W. R. Swan, Secretary and Treasurer. A. H. Swan, Superintendent. 10 miles, 4-8½ gauge, 20, 30 and 35 lb. rail, 24 cars, 30 horses, 5 steam motors. S G.

SALT LAKE CITY. *Salt Lake City Railroad Co. A. W. McCune, President. Sam'l M. Jarvis, Vice-President. Joseph G. Wells, Secretary and Treasurer. Walter P. Read, Superintendent. 25 miles, 4-8½ gauge, 20, 30 and 35 lb. T rail, 50 cars, 100 mules and horses, 10 Sprague cars. F 85.

VERMONT.

BURLINGTON. Winooskie and Burlington Horse Railroad Co. Capital stock, $40,000; all paid in. G. F. Pope, President. E. Lyman, Vice-President. F. H. Parker, Secretary. Louis H. Fink, Treasurer. K. B. Walker, Superintendent. Annual meeting held in July. 6 miles, 10 cars, 35 horses. Ju.

RUTLAND. Rutland Street Railway Co. Capital stock, $50,000; all paid in. John N. Woodfin, President. Ford A. Field, Secretary. M. Quinn, Treasurer. M. McKeogh, Superintendent. Annual meeting held in July. 7 miles, 4-8½ gauge, 20 lb. rail, 10 cars, 30 horses. Ju.

VIRGINIA.

CHARLOTTESVILLE. Charlottesville and University Street Railway Co. Capital stock, $10,000; all paid in. R. P. Valentine, President. H. D. Porter, Superintendent. Annual meeting held in July. 1½ miles, 4-8½ gauge, 16 lb. rail, 4 cars, 16 mules. Ju.

DANVILLE. *Danville Street Car Co. Capital stock, $30,000. T. B. Fitzgerald, President. H. L. Lanier, Treasurer. N. W. Berkeley, Superintendent. 2 miles, 4-8½ gauge, 38 lb. steel T rail, 6 cars, Thomson-Houston system. Ju.

LYNCHBURG. Lynchburg Street Railway Co. Stephen Adams, President, Secretary and Treasurer. 3½ miles, 5-1 gauge, 20 lb. T and 26 lb. tram rail, 10 cars, 50 horses. Ju.

MANCHESTER. South Side Land and Improvement Co. 75.

NORFOLK. The Suburban and City Railway and Improvement Co. Capital stock, $50,000; all paid in. Capt. James W. McCarrick, President. H. C. Whitehead, Secretary and Treasurer. E. W. Savage, Superintendent. Annual meeting held in April. 2½ miles, 5-2 gauge, 40 lb. rail, 15 cars, 57 horses. Ju.

Norfolk City Railroad Co. Capital stock, $100,000; all paid in. Col. W. H. Taylor, President. H. C. Whitehead, Secretary and Treasurer. James Ferris, Superintendent. Annual meeting held in February. 4½ miles, 5-2 gauge, 40 and 45 lb. rail, 26 cars, 90 to 100 horses. Ju.

PETERSBURG. Petersburg Street Railway Co. Geo. Beadle, Proprietor. 3½ miles, 4-8½ gauge, 45 and 47 lb. rail, 9 cars, 38 mules, 2 horses. Ju.

PORTSMOUTH. Portsmouth Street Railway Co. Chas. B. Peck, President. Wm. H. Stewart, Vice-President. C. C. Pearson, Secretary and Treasurer. 15½ miles, 4-8½ gauge, 30 lb. s. b. rail, 9 cars, 26 horses. Ju.

RICHMOND. Richmond City Railway Co. Andrew Pizzini, Jr., President. Albert M. Scott, Secretary. Charles Selden, Superintendent. 16 miles, 4-8½ gauge, 30 and 40 lb. rail, 50 cars, 239 horses. Ju.

Richmond and Manchester Railway Co. James Bryan, President. Jackson Brandt, Secretary and Treasurer. B. R. Selden, Superintendent. 3¾ miles, 4-8 gauge, 38 lb. rail, 10 cars, 41 horses. Ju.

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*Richmond Union Passenger Railway Co. Capital stock, $500,000. Thornton M. Motley, Vice-President. Andrew Pizzini, Jr., Secretary and Treasurer. F. J. Farrell, Superintendent. 13 miles, 4-8½ gauge, 23 lb. rail, 42 cars, Sprague system. Ju.

Manchester Railway and Improvement Co. C. W. Turner, President. —— Winston, Secretary and Treasurer. 3½ miles, 4-8½ gauge, 45 lb. rail, 10 cars, 28 mules. Ju.

ROANOKE. Roanoke Street Railway Co. C. O'Leary, President. Junius McGehee, Secretary. John Ott, Treasurer. 2 miles, 4-8½ gauge, 30 lb. T and 30 lb. c. b. rail, 7 cars, 11 horses. Ju.

WASHINGTON.

PORT TOWNSEND. *Port Townsend Electric Railway Co. Capital stock, $150,000. F. W. Hastings, President. J. V. Shepard, Vice-President and General Manager. C. P. Swiger, Secretary and Treasurer. F. M. Terry, Superintendent. Annual meeting held in June. 4 miles, standard gauge, 37 lb. rail, Thomson-Houston system. Road will be running July 1st.

PUYALLUP. Washington Street Railway, Water, Light and Construction Co. 75.

SEATTLE. †Front Street Cable Railway Co. J. Furth, President. H. G. Struve, Vice-President. M. McMicken, Secretary. J. P. Hoyt, Treasurer. Saul Gibson, Superintendent. 3½ miles, 4 gauge, 8 cars, cable system. Ju.

*West Street and North End Electric Railway Co. Capital stock, $1,000,000; all paid in. D. H. Gilman, President and Superintendent. W. R. Ballard, Vice-President. C. L. Kellogg, Secretary. W. R. Thornell, Treasurer. Annual meeting held in February. 8 miles, 4-8½ gauge, 45 lb. rail, 12 cars, Thomson-Houston system. Road will be completed about August 1, 1890.

*Seattle Electric Railway and Power Co. L. H. Griffith, President. D. T. Denny, Vice-President. V. H. Smith, Secretary. Andrew Abt, Treasurer. 9 miles, 4-8½ gauge, 38 lb. girder rail, 22 cars, Thomson-Houston system. Ju.

Seattle Street Railroad Co. 75.

North Seattle Cable Railway Co. 75.

South Seattle Cable Railway Co. 75.

*Green Lake Electric Railway Co. Capital stock, $150,000; paid in, $35,000. Wm. D. Wood, President. James Leddy, Vice-President. C. E. Chapin, Secretary. V. Hugo Smith, Treasurer. E. C. Kilbourne, Manager. Annual meeting held in January. 4½ miles, 4-8½ gauge, 40 lb. rail, 2 cars, Thomson-Houston system. Ju.

Madison Street Cable Railway Co. H. G. Struve, President. A. B. Stewart, Vice-President. Maurice McMicken, Secretary. Jacob Furth, Treasurer. Ju.

SPOKANE FALLS. Spokane Falls and Montrose Steam Motor Railroad Co. Francis H. Cook, President and Treasurer. 2 miles, 3-6 gauge, 20 lb. steel rail, 1 car, steam system. Ju.

*Ross Park Electric Street Railroad Co. 14½ miles, 20 cars, Thomson-Houston system. *Ju.

TACOMA. *Pacific Avenue Street Railway Co. 6 miles, 16 cars, Sprague system. Ju.

*Tacoma Avenue Street Railroad Co. 2 miles, 16 cars, Sprague system. Ju.

Tacoma Street Railway Co. 75.

Tacoma Railway and Motor Co. Paul Schultze, President. J. M. Ashton, Vice-President. Geo. P. Eaton, Secretary. Henry Hewitt, Treasurer. 13.5 miles, 3-6 gauge, 38 lb. girder rail, 20 cars. Ju.

WEST VIRGINIA.

HUNTINGTON. *Huntington Electric Light and Street Railway Co. Capital stock, $80,000; all paid in. R. A. Mathews, President. F. B Enslow, Vice-President. J. L. Caldwell, Secretary, Treasurer and Superintendent. Annual meeting held in May. 3½ miles, 4-8½ gauge, 25 lb. rail, 4 cars, Short system. V V H.

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WHEELING. Wheeling and Elm Grove Railroad Co. Capital stock, $687,000; all paid in. J. D. Du Bois, President. E. J. Rutter, Secretary and Treasurer. C. Hirsch, Superintendent. Annual meeting held in January. 8 miles, 4-8½ gauge, 30 and 60 lb. rail, 12 cars, 9 horses, Baldwin steam motors. F 85.

Citizens' Railway Co. J. A. Miller, President. Frank P. Hall, Secretary. Michael Loftus, Superintendent. 10 miles, 5-2½ gauge, 45 lb. rail, 16 cars. W H.

*Wheeling Railway Co. Capital stock, $50,000. John M. Sweeney, President. Frank P. Hall, Secretary. M. Loftus, Superintendent. 10 miles, 5-2 gauge, 45 lb. rail, 12 cars, Van Depoele system. G 85.

WISCONSIN.

ASHLAND. Ashland Street Railway Co. Edwin Ellis, President. Wm. Tomkins, Secretary. Thos. Bardon, Treasurer. Geo. W. Marshall, Superintendent. 2½ miles, 4-8½ gauge, 35 lb. rail, 6 cars, 37 horses. S G.

APPLETON. *Appleton Electric Street Railway Co. G. W. Gerry, President. F. W. Harriman, Secretary and Treasurer. A. A. Johnson, Superintendent. 3.5 miles, 4-8½ gauge, 33 lb. tram rail, 6 cars, Van Depoele system. Ju.

EAU CLAIRE. *Eau Claire Street Railway Co. W. G. Maxey, President. Weston Lewis, Secretary and Treasurer. W. G. Root, Superintendent. 5 miles, 4-8½ gauge, 35 and 42 lb. rail, 18 cars, 52 horses, Sprague system. Ju.

JANESVILLE. Janesville Street Railway Co. S. G. Clark, President. B. E. Clark, Secretary. M. H. Clark, Treasurer. L. D. Richardson, Superintendent. 4½ miles, 4-8½ gauge, 5 cars, 22 horses. Ju.

LA CROSSE. La Crosse City Railway Co. P. E. Edwards, President. Geo. F. Grant, Vice-President. H. E. West, Secretary. Geo. H. Clark, Treasurer. Geo. T. Smith and Peter Valics, Superintendents. Annual meeting held in January. 6½ miles, 4-8 gauge, 40 lb. rail, 19 cars, 2 mules and 72 horses. Y H.

MADISON. Madison Street Railway Co. C. B. Holmes, President. E. A. Holmes, Secretary and Treasurer. Geo. H. Shaw, Superintendent. 5 miles, 4 gauge, 23 lb. T rail, 16 cars, 81 horses. Ju.

MILWAUKEE. Cream City Railroad Co. Capital stock, $800,000; all paid in. H. C. Payne, President. C. L. Preusser, Vice-President. Wm. Damkrehler, Secretary. Fred. Kuehm, Treasurer. A. W. Lynn, Superintendent. Annual meeting held in February. 28 miles, 4-8½ gauge, 45 and 52 lb. rail, 100 cars, 500 horses. W G.

Milwaukee City Railroad Co. W. G. Oakman, President. Henry C. Payne, Vice-President. A. B. Dodson, Secretary. R. B. Dodson, Treasurer. Geo. W. Hommell, Superintendent. Annual meeting held in November. 36 miles, 4-8½ gauge, 45 lb. rail, 108 cars, 636 horses. X X X H.

Milwaukee and Whitefish Bay Railway Co. Capital stock, $60,000; all paid in. W. H. Bradley, President. Joshua Stark, Vice-President. H. R. Bradley, Secretary. Charles H. Behrens, Jr., Treasurer. M. D. Mahoney, Superintendent. Annual meeting held in February. 5½ miles, 4-8½ gauge, 40 lb. rail, 7 cars, steam motor system. V V G.

*Milwaukee Electric Railway Co. Capital stock, $500,000; all paid in. F. E. Hinckley, President. J. A. Hinsey, Vice-President. E. D. Oepeley, Secretary. A. M. Hinckley, Superintendent. 6 miles, 4-8½ gauge, 45 lb. rail, 12 cars, Thom[illegible]on-Houston system. Z H.

*West Side Street Railway Co. Capital stock, $300,000. Washington [illegible]cker, President. Thos. J. Durnin, Secretary. A. McNaughton, Superintendent. 6 miles, 19 cars, Sprague system. Z Z G.

OSHKOSH. Oshkosh Street Railroad Co. Chas. Barber, President. Joseph Porter, Vice President. J. H. Jenkins, Secretary and Treasurer. Chas. E. Montgomery, Superintendent. Annual meeting held in July. 7 miles, 4-8½ gauge, 30 lb. steel rail, 13 cars, 55 horses. S S H.

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RACINE. Belle City Street Railway Co. Capital stock, $100,000; all paid in. Geo. B. Hathaway, President and Superintendent. Charles Hathaway, Vice-President and Treasurer. J. E. Dodge, Secretary. Annual meeting held in April. 7 miles, 4 gauge, 32 lb. rail, 12 cars, 60 horses. V V H.

WEST SUPERIOR. *Douglas County Street Railway Co. Capital stock, $50,000; all paid in. Henry D. Minot, President. Frank C. Ward, Secretary and Treasurer. M. O'Brien, Superintendent. S. T. Norvett, General Manager. Annual meeting held in March. 5 miles, 3-6 gauge, 35 lb. T rail, 5 cars, Daft and Thomson-Houston systems. Ju.

WYOMING.

CHEYENNE. Cheyenne Street Railroad Co. Capital stock, $———; paid in $80.300. F. E. Warren, President. J. C. Baird, Secretary. T. A. Kent, Treasurer and Superintendent. Annual meeting held in January. 4½ miles, 20 lb. rail, 5 cars, 15 horses. Ju.

CANADA.

BELLEVILLE, ONT. Belleville Street Railway Co. Capital stock, $30,000; paid in, $23,000. David Lockwood, President. Jno. Lewis, Vice-President. S. A. Lockwood, Secretary, Treasurer and Superintendent. Annual meeting held in September. 2 miles, 3-6 gauge, 28 lb. rail, 5 cars, 12 horses. Ju.

BRANTFORD, ONT. Brantford Street Railway Co. Capital stock, $40,000; all paid in. D. A. Flack, President. R. A. Pringle, Vice-President. Chas. H. Flack, Secretary, Treasurer and Superintendent. 4½ miles, 3-6 gauge, 30 lb. rail, 8 cars, 25 horses. Ju.

CORNWALL, ONT. Cornwall Street Railway Co. Chas. B. Haines, President. A. G. Haines, Secretary and Treasurer. 3 miles, 4-8½ gauge, 10 lb. T rail, 6 cars, steam system. Ju.

HALIFAX, N. S. Halifax Street Railway Co. B. F. Pearson, President. Charles Annand, Secretary and Treasurer. J. F. Van Deventer, Superintendent. 7 miles, 4-8½ gauge, 45 and 60 lb. rail, 20 cars, 100 horses. Ju.

KINGSTON, ONT. Kingston Street Railroad Co. B. W. Folger, President. F. R. Sargent, Secretary. H. M. Folger, Treasurer. 8 miles, 3 gauge, 44 lb. rail, 11 cars, 35 horses. Ju.

LONDON, ONT. London Street Railway Co. Capital stock, $100,000; all paid in. V. Cronyn, President. J. H. Flock, Secretary. Chas. Currie, Treasurer. H. F. Smith, Superintendent. Annual meeting held in January. 10 miles, 4-8½ gauge, 30 lb. rail, 24 cars, 70 horses. S S H.

MONTREAL, QUE. Montreal Street Railway Co. Capital stock, $600,000; all paid in. Jesse Joseph, President. Hugh McLennan, Vice-President. Edward Lusher, Manager. T. H. Robillard, Superintendent. Annual meeting held in October. 30 miles, 4-8½ gauge, 44 lb. rail, 120 cars, 1,000 horses, 80 sleighs, 70 busses. Ju.

NIAGARA FALLS, ONT. Niagara Falls, Wesley Park and Clifton Tramway Co. Capital stock, $50,000; all paid in. John H. Mooney, President. Thomas Hard, Vice-President. John H. Bache, Secretary and Superintendent. John N. Hayward, Treasurer. Annual meeting held in August. 3½ miles, 4-8½ gauge, 10 cars, 40 horses. Ju.

OTTAWA, ONT. Ottawa City Passenger Railway Co. Thomas C. Keefer, President. R. Blackburn, Vice-President. James D. Fraser, Secretary. 6 miles, 4-8½ gauge, 30 lb. rail, 27 cars, 50 horses. S G.

QUEBEC, QUE. Quebec Street Railway Co. Capital stock, $50,000; all paid in. C. St. Michel, President. W. Hossack, Vice-President. F. T. Boomer, Secretary, Treasurer and Manager. Annual meeting held in February. 2¾ miles, 4-8½ gauge, 45 lb. rail, 10 cars, 51 horses. Ju.

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St. John Street Railway Co. Capital stock, $30,000; paid in, $27,620. Jos. W. Henry, President. A. Robertson, Vice-President. W. W. Martin, Secretary and Manager. Annual meeting held in February. 1½ miles, 4-8½ gauge, 35 lb. rail, 4 cars, 23 horses. Ju.

ST. CATHARINES, ONT. *St. Catharines, Merritton and Thorold Street Railway Co. Capital stock, $50,000; all paid in. E. A. Smyth, President. H. E. Smyth, Secretary and Treasurer. Robert M. Maugh, Superintendent. Annual meeting held in February. 8 miles, 4-8½ gauge, 30 lb. rail, 12 cars, Thomson-Houston system. Ju.

SARNIA, ONT. Sarnia Street Railway Co. James S. Symington, President. James Smith, Vice-President. H. W. Mills, Secretary, Treasurer and Superintendent. Annual meeting held in April. 2½ miles, 4-8½ gauge, 30 lb. rail, 5 cars, 10 horses. S G.

ST. JOHN, N. B. St. John Street Railway Co. John F. Zebley, President and Treasurer. Austin Gallagher, Secretary. 7 miles, 4-8½ gauge, 45 and 60 lb. rail, 15 cars, 65 horses. Ju.

ST. THOMAS, ONT. St. Thomas Street Railroad Co. Jos. Griffin, President. Geo. Wegg, Secretary and Treasurer. 2 miles, 3-6 gauge, 30 lb. rail, 5 cars, 9 horses. Ju.

TORONTO, ONT. Toronto Street Railway Co Frank Smith, President. Jas. Gunn, Secretary. John J. Franklin, Superintendent. 60 miles, 4-10½ gauge, 30 lb. rail, 225 cars, 1,160 horses. Z H.

*Metropolitan Street Railway Co. Capital stock, $100,000. C. D. Warren, President. R. C. Warren, Secretary. 3 miles, 4-10½ gauge, 35 lb. rail, 4 cars, Thomson-Houston system. P P G.

VICTORIA, B. C. *National Electric Tramway and Lighting Co. Capital stock, $250,000; paid in, $67,500. D. W. Higgins, President. Dr. G. L. Milne, Vice-President. H. D. Heisterman, Secretary and Treasurer. F. P. Whitney, Superintendent. Annual meeting held in February. 5 miles, 4-8½ gauge, 38 lb. rail, 4 cars, Thomson-Houston system. Ju.

WINDSOR, ONT. *Windsor Electric Street Railway Co. W. M. Boomer, President. M. A. S. Boomer, Secretary and Treasurer. 1½ miles, 3-6 gauge, 25 lb. T rail, 5 cars, 9 horses, Van Depoele system. Ju.

Sandwich, Windsor and Amherstburg Railroad Co. 75.

WINNIPEG, MAN. Winnipeg Street Railway Co. James Austin, President. Albert W. Austin, Secretary and Manager. George A. Young, Superintendent. 5 miles, 4-8½ gauge, 35 lb. rail, 15 sleighs, 15 cars, 100 horses. Ju.

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LIST OF

ISOLATED ELECTRIC PLANTS.

ALABAMA.

ANNISTON. Anniston Inn, 300 Brush inc.
Anniston Iron Co., Brush.
BIRMINGHAM. Cadwell Printing Co., 50 Brush inc.
Lake View Hotel, 300 Brush inc.
Pioneer Mining and Mfg. Co., American.
BRIERFIELD. Brierfield Coal and Iron Co., 10 Heisler.
DECATUR. Ivens & Son Machine Co., 10 Sawyer-Man inc.
C. W. Joseph, 14 Sawyer-Man inc.
L. B. Wheeler, 12 Sawyer-Man inc.
Decatur L. I. & Furnace Co., 600 Thomson-Houston inc.
ENSLEY. Tennessee Coal, Iron and Railroad Co., 6 arc.
FORT PAINE. Fort Paine Coal and Iron Co., 400 Thomson-Houston inc.
GADSDEN. Gadsden Lumber Co.
HUNTSVILLE. H. H. Fuller Caverns, 5 Westinghouse arc.
Shelta Rock Cave, 10 Waterhouse.
MOBILE. Adam Glass Co.
Alabama River Association, Ft. Wayne Jenney.
Mobile Street Railway, 5 Ft. Wayne Jenney.
Steamer "Mary," 4 United States.
Steamer "Hattie B. Moore," 3 United States.
Steamer "Maggie F. Burt," 4 United States.
Steamer "Alabama," 4 United States.
Steamer "William B. Duncan," 3 United States.
Steamer "Nettie Quill," 4 Ft. Wayne Jenney.
Steamer "P. L. Tally," Ft. Wayne Jenney.
Steamer "C. W. Anderson," 5 Ft. Wayne Jenney.
MONTGOMERY. Southern Cotton Oil Co., 150 Westinghouse inc.
Highland Park Improvement Co., Van Depoele.
NEW DECATUR. Howland & Ellis, 8 Thomson-Houston arc.
OXMOOR. Eureka Iron Works, 150 Edison inc.
SHEFFIELD. Sheffield Land, Iron and Coal Co., 650 Westinghouse inc.
TALLASSEE FALLS. Tallassee Falls Mfg. Co.. 800 Edison inc.
THOMAS. Pioneer Mining and Mfg. Co., 37 Thomson-Houston arc.
TUSCALOOSA. University of Alabama, 300 Edison inc.
UNION SPRINGS. Union Springs Oil Co., 20 United States inc.
WOODWARD. Woodward Iron Co., 150 Westinghouse inc.

ARIZONA.

CLIFTON. Arizona Copper Co., Western.
FAIRBANK. Copper Queen Consolidated Mining Co., 100 Edison inc.
PRESCOTT. Geo. D. Nagle, Western.
YUMA. County Hospital, 6 Sperry arc.

ARKANSAS.

ARKANSAS CITY. Desha Lumber Co., 150 Thomson-Houston inc.
K. C. S. and M. R. R., Ft. Wayne Jenney.
BARING CROSS. Missouri Pacific Railroad Bridge, Van Depoele.
FORT SMITH. Border City Ice and Coal Co., 25 Edison inc.
George Tilles, 450 Edison inc.

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LITTLE ROCK. Crystal Ice Co., 25 Edison inc.
E. Robbins, 40 Edison inc.
"Gazette" Printing Office, 200 Edison inc.
Southern Cotton Oil Co., 150 Westinghouse inc.
Little Rock Oil and Compress Co., 300 Brush inc.
Little Rock and Fort Smith Railroad, 6 Van Depoele.
L. P. Drake, Ft. Wayne Jenney.
Col. Henry Wood, Van Depoele.
Steamer "J. A. Woodson," 5 Ft. Wayne Jenney.
Steamer "Marion," 5 Ft. Wayne Jenney.
NEWPORT. Morrison, Decker & Co., 4 Ft. Wayne Jenney.
PINE BLUFFS. C. S. Emma Oil Co., 75 Edison inc.

CALIFORNIA.

BERKELEY. Institute for the Deaf, Dumb and Blind, 75 Edison inc.
Peralto Hotel Co., 400 Thomson-Houston inc.
CARLSBAD. W. H. Rhodes, 200 Mather inc.
CASPER. Casper Lumber Co., 12 Western.
COOS BAY. Marshfield Mills, 40 Edison inc.
Wm. N. Armstrong, Accumulator.
EUREKA. Pacific Lumber Co., 30 Thomson-Houston arc.
Dolbeer & Carson, 20 Thomson-Houston arc.
FORT BRAGG. Fort Bragg Redwood Co., 10 Westinghouse arc.
HAYWARDS. S. D. Ingram, 650 Westinghouse inc.
HUMBOLDT BAY. Humboldt Mill Co., 10 Westinghouse arc.
LITTLE YORK. Liberty Hill Congress Water and Mineral Co., 2 United States.
LOS ANGELES. Southern Pacific Co., 20 Westinghouse arc.
Los Angeles College, 150 Edison inc.
Los Angeles Ice and Cold Storage Co., 400 Thomson-Houston inc.
Hendrick Machine Co., 50 Thomson-Houston inc.
Rhodes & Keys Electric Co., 100 Thomson-Houston inc.
Redondo Hotel Co., 100 Thomson-Houston inc.
NAPA. Sawyer Tanning Co., 600 Van Depoele.
Joseph Shuppert, 50 Jenney inc.
NORTH FOLK. Humboldt Lumber Mill Co., 10 Westinghouse arc.
OROVILLE. Spring Valley Hyd. Gold Co., 8 United States.
PETALUMA. Golden Eagle Milling Co., 50 Thomson-Houston inc.
SACRAMENTO. Southern Pacific Railroad Shops, 40 Westinghouse arc, 500 Westinghouse inc.
Central Street Railroad, Accumulator.
SANTA ANNA. Parker Bros. & Harris, 30 Thomson-Houston arc.
SAN BERNARDINO. J. R. Kennedy Arrow Head Hotel Co., 150 Mather inc.
SANTA CLARA. Santa Clara, 50 American arc.
SAN DIEGO. Occidental Ice and Refrigerating Co., 25 Mather inc.
St. James Hotel, 40 Edison inc.
G. H. Bell, 35 Edison inc.
Consolidated Bank Bldg., 42 Edison inc.
E. Llwellyn and Others, 75 Edison inc.
Pierce & Morse, 500 Edison inc.
Shelden Block, 50 Edison inc.
Coronado Beach Hotel Co., 2,500 Mather inc. and 60 Excelsior.
Geo. D. Copeland, 1,300 Westinghouse inc.
SAN FRANCISCO. Electric Improvement Co., 350 Mather inc. and 50 American.
N. W. Wait & Son, 75 Thomson-Houston inc.
San Francisco "Chronicle," 1,020 Edison inc.
California Hotel and Theatre, 2,600 Mather inc.
Eden Musee, 100 Edison inc.
Tivoli Opera House, 80 Edison inc.
Electric Development Co., 100 Edison inc.
Ladd & Logan, 60 Edison inc.
California Sugar Refinery, 1,050 Edison inc.
Golden Gate Flouring Mills, 75 Brush inc.
Baldwin Hotel and Theatre, 750 Westinghouse inc.
William N. Armstrong, Storage Edco.

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G. H. Condit, Van Depoele.
Huntington Hopkins Co., 100 Westinghouse inc.
W. C. Clarke, Ball.
California Electrical Works, 10 United States.
J. W. Grace & Co., United States.
Union Iron Works.
Tatem & Bowen, Ft. Wayne Jenney.
Thos. Day & Co., 42 Edison inc.
Palmer & Ray, 40 Edison inc.
San Francisco Cordage Co., 225 Edison inc.
Wilmington Transit Co., 75 Edison inc.
Hobbs, Wall & Co., 25 Westinghouse inc. and 30 Thomson-Houston inc. and 20 arc.
Geo. L. Henzel, 25 Sawyer-Man and 30 Thomson-Houston inc.
Steamer "Mariposa," Oceanic S. S. Co., 250 Edison inc.
Steamer "Alameda," Oceanic S. S. Co., 250 Edison inc.
Steamer "Kinau," Oceanic S. S. Co., 120 Edison inc.
Oregon S. S. Dock, 60 Edison inc.
Steamer "City of Pekin."

SAN GABRIEL. J. D. Short, 25 Mather inc.

SAN JOSE. Fredericksburg Brewing Co., 25 American arc.

SAN MATEO. Alvinza Hayward, 150 Brush inc.

STOCKTON. San Joaquin Imp. Co., 100 Thomson-Houston inc.

WEST OAKLAND. California Cotton Mills, 10 Wiesse arc.

COLORADO.

BLACK HAWK. Sterns, Roger & Co., 400 Westinghouse inc.

DENVER. Omaha and Grant Smelting Co., 25 Mather inc.
Gov. Evans' Railway Building, 600 Mather inc.
Denver "Republican," 150 Edison and 30 Mather inc.
Denver Water Co., 100 Edison inc.
Monitoy Iron Spring Co., 161 Edison inc.
National Machinery Co., 50 American.
The Charles Block, 300 Thomson-Houston inc.
Denver Tramway Co., 250 Mather inc.
C. V. N. Kitteridge, 600 Mather inc.
Boston & Colorado Smelting Co.
Colorado Electric Co., 900 Edison inc.
Zang & Co., 150 Edison inc.
Holden Smelting Co., 225 Edison inc.
Hendrick & Barthoff, 115 Edison inc.
John Elitch, 75 Brush inc.
H. H. Brown, Thomson-Houston.

FORT COLLINS. Roberts & Stewart, 200 Mather inc.

IDAHO SPRINGS. Mayflower Mine, 40 Edison inc.
B. H. Lawrence, 40 Edison inc.

LEADVILLE. Arkansas Valley Smelting Co., 40 Edison inc.; also 10 Brush.
Col. Seller's Mine, 50 Brush inc.
The A. Y. and Minnie Mine, 50 Brush inc.
Mikado Mining and Smelting Co., 75 Westinghouse inc.
William A. Douglas & Co., Ball.
Iron Silver Mining Co., 10 arc and 120 Ball inc.
Orman Crook & Co., 10 arc, 120 Ball inc.
May & Schoenburg, 6 Ft. Wayne Jenney.

MANITOU. Manitou Iron Spring Co.'s Hotel, 161 Edison inc., 15 arc Ft. Wayne Jenney.

MANITOU SPRINGS. H. H. Brown, 500 inc.
Eldorado Smelting Co., 15 Brush arc.
Pueblo Smelting Co., 20 Brush arc. Thomson-Houston.

MINTCLAIR. Jarvis Hall, 150 Edison inc.

PUEBLO. Philadelphia Smelting Co., 300 Edison inc.
Colorado Coal & Iron Co., 20 Brush arc.
State Insane Asylum, 250 Edison inc.

SAN ANDREAS. Union Gold Mine, 100 Edison inc.

SILVERTON. C. S. Cleaver, 250 Edison inc.

SUMMITVILLE. Little Annie Gold Mining Co., 10 United States.

TELLURIDE. George S. Andreas, 40 Edison inc.
H. H. Corbin, 450 Edison inc.

TIN CUP. T. S. Hasley, 75 Edison inc.

TRINIDAD. H. H. Brown, Thomson-Houston.

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CONNECTICUT.

ANSONIA. Electrical Supply Co., Thomson-Houston.

BIRMINGHAM. Derby Paper Co., 150 Brush inc.
Shelton Brass Hardware Co., Storage.
Birmingham Iron Works, 6 United States.
Meriden Rink Corporation Co., Thomson-Houston.
The Charles Parker Co., 25 Thomson-Houston.
Rawister Bros., United States.

BRISTOL. E. Ingraham Clock Co , 500 Mather inc.
The Aluminum Brass & Bronze Co., 20 arc, 2,000 Sperry and Edison inc.
Wilmot & Hobbs Mfg. Co., 250 United States inc.

BRIDGEPORT. Bridgeport Copper Co., 150 Mather inc.
Bridgeport Malleable Iron Co., 75 Edison, 35 American inc.
Longstaff & Hurd, 100 Westinghouse inc.
Electrical Accumulator and Lighting Co., Storage.
Bridgeport Forge Co., Thomson-Houston.
Bridgeport Steamboat Co., Thomson-Houston.
Farist Steel Co., 18 Thomson-Houston arc.
Naugatuck Railroad Co., 20 United States.
Warner Bros., 500 Edison inc.
Bridgeport Paper Co., 75 Edison inc.
Bridgeport Organ Co., 450 Edison inc.

BROOKLYN. C. J. Bush, 200 Thomson-Houston inc.

BUCKLAND. Peter Adams Co., 150 Mather inc.

BURNSIDE. F. H. Walker & Son., 75 Mather inc.

COLCHESTER. Colchester Rubber Co., 450 Edison inc.

DYERSBURG. Dyersburg Mills and Fertilizing Co., 40 Edison inc.

EAST BERLIN. Berlin Iron Bridge Co., 75 Mather inc., 150 Thomson-Houston inc.
Corrugated Metal Co., 6 Thomson-Houston and 6 arc.

EAST HAMPTON. Theodore Fritz, 225 Edison inc.

GLASTONBURY. J. B. Williams Co., 150 Mather inc.

GLENVILLE. Tingue House & Co., 130 Edison inc.

GREENWICH. E. H. Johnson, Storage.

HARTFORD. Billings & Spencer Co., 20 Westinghouse arc.
Strickland & Shea, 7 Mather arc.
Hartford Manilla Co., 50 Mather inc.
Hartford, Conn. Asa A. Cooke, 300 Standard inc.
Plimpton Mfg. Co. 750 Mather inc.
Smith, Bourne & Co., 200 Edison inc.
Park Central Hotel, 180 Sawyer-Man inc.
Hicks Bros., 30 Mather inc.
Mutual Life Insurance Co. Building, Storage.
Weed Sewing Machine Co., Storage.
Fred. C. Rockwell, Ball.
Hartford and Providence Depot, Thomson-Houston.
Hartford Engineering Co., United States.
Pratt & Whitney Co., Fuller.

MANCHESTER. Oakland Paper Co., 100 Mather inc.

MERIDEN. Meriden Brittannia Co., 200 Brush inc.
The Chas. Parker Co., 18 Thomson-Houston arc.

MIDDLEFIELD. Metropolitan Mfg. Co., 150 Westinghouse inc.

MOOSUP. Aldrich & Miller, 400 Mather inc.

NAUGATUCK. Goodyear I. R. Glove Co., 1,100 United States inc.
Goodyear Metallic Rubber Shoe Co., 150 Edison and 100 Thomson-Houston inc.
Naugatuck Railroad, United States.

NEW BRITAIN. Russell & Erwin Mfg. Co., 250 Edison and 100 Brush inc.
North & Judd Mfg. Co., 200 Thomson-Houston inc.
P. & F. Corbin, 12 Thomson-Houston.
Stanley Works, 18 Brush.
Case Engine Co., 200 Thomson-Houston inc.

NEW HAVEN. Sperry & Barnes, 240 Edison inc.
S. Candee & Co., 10 United States and 800 Edison inc.
Sperry & Barnes, 200 Thomson-Houston inc.

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New Haven Carriage Co., 100 Thomson-Houston inc.
Strong, Barnes, Hart & Co., 75 Thomson-Houston inc.
R. H. Brown & Co., 150 Brush inc.
New Haven Wire Co., Waterhouse.
New Haven Rolling Mill, United States.
The Bigelow Co., United States.
New York, New Haven and Hartford Railroad, Arnoux-H.
Yale College, 25 Edison inc.
Standard Electrical Time Co., Storage.

NEW LONDON. Brown Cotton Gin Co., 15 Arnoux-H.

NORWICH. George W. Phillips, 30 Sawyer-Man inc.
Mitchell Brothers, Thomson-Houston.

ONECO. Oneco Mfg. Co., 500 Westinghouse inc.

PLAINVILLE. Plainville Mfg. Co., 200 Mather inc.

PITTSVILLE. Palmer Bros., 100 Thomson-Houston inc.

POQUONOCK. Health Underwear Co., 150 Mather inc.

PUTNAM. Putnam Woolen Co., 450 Mather inc.
Hammond & Knowlton, 150 Mather inc.

ROCKVILLE. American Mills, 100 Mather inc.
Hoctaman Co., 100 Thomson-Houston inc.
New England Co., 250 Mather inc.
Rockville Mfg. Co., 75 Edison inc.
Henry Adams, 50 Thomson-Houston inc.

SOUTH MANCHESTER. Cheney Brothers, 14 arc, 2,000 Mather inc.

SOUTHINGTON. Southington & Plantsville Tramway Co., 500 Thomson-Houston inc.

STAFFORD. Julius Converse, 150 Brush inc.

STAFFORD SPRINGS. Warren Woolen Co., 300 Edison inc.

SEYMOUR. James Swan, 25 Ball arc.
Rawitser Brothers, 150 Brush inc.

STAMFORD. St. John's Wood Working Co., 150 Sawyer-Man inc.
Stamford Mfg. Co., 100 Brush inc.

STONINGTON. Atwood Machine Co., 250 Mather inc.

TARIFFVILLE. Hartford Silk Co., 30 Thomson-Houston.

THOMPSONVILE. Hartford Carpet Co., 300 Mather inc.

THOMASTON. Plume & Atwood Co., 20 United States.

TORRINGTON. Hendey Machine Co., 200 Westinghouse inc.

TYLER CITY. Peerless Buttonhole Attachment, 75 Sawyer-Man inc., 75 Thomson-Houston inc. and 100 arc.

UNION CITY. Tuttle & Whitemore, 50 Thomson-Houston inc. and 50 arc.
Homer Twitchel, 50 Thomson-Houston inc.

WAREHOUSE POINT. Leonard Silk Co., 400 Mather inc.

WATERBURY. Waterbury Brass Co., 5 Thomson-Houston.

WALLINGFORD. Metropolitan Rubber Co., 400 Thomson-Houston inc.
Burnham Mfg. Co., Brush.

WATERTOWN. Heminway & Bartlett Silk Co., 100 Mather inc.

WESTVILLE. Diamond Match Co., 50 Thomson-Houston inc.
A. N. Woolson, 75 Sawyer-Man and 100 Thomson-Houston inc.

WILLIMANTIC. Willimantic Linen Co., 150 Mather and 300 Brush inc.
Holland Mfg. Co., 150 Edison inc.
A. G. Turner, 300 Standard inc.

WINDSOR LOCKS. Windsor Locks Steel Co., 12 Thomson-Houston.

DAKOTA.

FARGO. Argus Building, 200 Thomson-Houston.

JAMESTOWN. North Dakota Hospital for the Insane, 341 Edison inc.

SIOUX FALLS. South Dakota Penitentiary, 180 Edison inc.
Cascade Milling Co., Van Depoele.

WAPETON. George D. Swain, Thomson-Houston.

WHITEWOOD. George Hearst, 75 Edison inc.

YANKTON. Dakota Hospital for the Insane, 300 Edison inc.

DELAWARE.

BRANDYWINE AND NEW CASTLE. William Lea Sons & Co., 25 Edison inc.

HENRY CLAY FACTORY. Barlow & Thatcher, 75 Edison inc.

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KENTMORE. James Liddle Sons & Co., 200 Edison inc.
MARSHALLTOWN. J. R. Bringhurst, 150 Edison inc.
ROCKFORD. James Bancroft & Sons Co., 800 Mather inc.
NEW CASTLE. J. G. Knowles, 150 Edison inc.
Morris & Fisher, 50 Sawyer-Man inc.
Delaware Iron Co., 50 Thomson-Houston inc.
STANTON. Kiamensi Woolen Mills, 80 Edison inc.
THURLOW. Chester Rolling Mills, 10 Thomson-Houston.
WILMINGTON. Jessup & Moore Paper Co., 200 United States inc.
Lobdell Car Wheel Co., 150 Thomson-Houston inc.
W. S. Heger, 50 Edison inc.
William A. Lea Sons & Co., 325 Edison inc.
Hartmann & Fehrenbach. 50 Edison inc.
Diamond State Iron Works, 80 Thomson-Houston
Morton J. Poole Co., 50 Edison inc.
Jackson & Sharpe, 750 Edison inc.
Harlan & Hollingsworth Co., 50 Westinghouse inc.
Edgewater Iron Co., Thomson-Houston.
Johnson Forge Co., 10 United States arc.

DISTRICT OF COLUMBIA.

WASHINGTON. Bull Run Panorama, 300 Edison inc.
Government Printing Office, 660 Edison inc.
House of Representatives, 300 Sawyer-Man inc., 300 Thomson-Houston inc.
United States Senate, 1,300 Westinghouse inc.
Steamer "Albatross" (United States Fish Commission), 225 Edison inc.
Washington Architectural Iron and Bridge Works, 150 Westinghouse inc.
E. Berliner, Storage.
E. J. Mallett, Storage.
Lansburgh, Thomson-Houston.
National Hotel, 10 Thomson-Houston.
Saks & Co., 37 Excelsior.
Woodward & Lathrop, Thomson-Houston.
F. Tenney & Co., Thomson-Houston.
Hygienic Ice Co., 120 Continental inc.
Hotel Normandie, 900 National inc.
Catholic University, 700 Thomson-Houston inc.

FLORIDA.

CEDAR KEYS. Steamer "Gov. Stafford," 1 United States.
DELAND. J. B. Stetson's Residence, Edco. Storage.
ELLAVILLE. C. L. Bucki, 40 Edison inc.
ESCAMBIA. Skinner & McDavid, 75 Edison inc.
JACKSONVILLE. J. A. Cloud & Co., 200 Edison inc.
De Barry's Line Steamers, 2 United States.
Dexter Hunter, 5 United States.
PABLO BEACH. John G. Christopher, 400 Thomson-Houston inc.
E. B. King & Co., 50 Thomson-Houston inc.
Murray Hall, 383 Sawyer-Man inc.
ST. AUGUSTINE. Hotel Ponce De Leon, 1,200 Edison inc.
Hotel Ponce De Leon and Hotel Alcazar, 4,000 inc.
MILLVIEW. C. W. Robinson & Co.
TAMPA. Tampa Bay Hotel Co., 2,000 Eureka inc.

GEORGIA.

ALBANY. Albany Oil Co., 2 United States.
AMERICUS. American Guano Co., 75 Edison inc.
ATLANTA. Electric Novelty Works, 50 Mather inc.
Kimball House, 500 Edison inc.
Markham House, 375 Edison inc.
Gate City National Bank, 40 Edison inc.
W. E. Thornton, 40 Edison inc.
Exposition Cotton Mills, 331 Edison inc.
Fulton Cotton and Spinning Co., 250 Edison inc.
Sibley Mfg. Co., 600 Edison inc.
Atlanta Water Co., 50 Edison inc.
D. A. Tomkins, 25 Westinghouse inc.
Southern Cotton Oil Co., 150 Westinghouse inc.
E. C. Barth, 30 Mather inc.
Atlanta Cotton and Oil Mills, 100 Edison inc.
The "Daily Constitution," 200 United States inc.

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Atlanta Union Depot, 12 Weston arc.
Edwar, May & Co., bag factory, 325 Edison inc.
Atlanta Cotton Mills, 26 United States.
H. A. Robinson, 30 Excelsior.
Union Passenger Depot, 10 United States.
Gate City Oil Co.

AUGUSTA. Dartmouth Spinning Co., 200 United States inc.
Ben Air Hotel, 375 Edison inc.
Augusta Factory, 750 Edison inc.
Enterprise Mfg. Co., 1,000 Edison inc.
John P. King Mill Co., 756 Edison inc.
Lombard Co., 75 Edison inc.
Thos. Barrett, 15 Excelsior.

BANNING. Hutchinson Mfg. Co., 75 Edison inc.

CEDARTOWN. Cherokee Iron Co., Excelsior.

COLUMBUS. Muscogee Oil Mills, 42 Edison inc.
Eagle & Phœnix Mills, 105 Brush.
Central Line Steamers, United States.
Columbus Iron Works, 4 United States.
Merchants' Line Steamers, 12 United States.
People's Line Steamers, 10 United States.
Savannah, F. & R. R. R., 11 United States.
Swift Mfg. Co., 10 Bain.

KEY WEST. M. L. Hellings, 75 Edison inc.
Str. "M. L. Hellings," 75 Edison inc.

TATE. Blue Ridge Marble Co. 50 Westinghouse.
Georgia Marble Co., 200 Westinghouse.

GRIFFIN. Kincaid Mfg. Co., 225 Edison inc.
Griffin Mfg. Co., 117 Sawyer-Man inc., 300 Thomson-Houston arc.

MACON. Bibb Mfg. Co., 300 Westinghouse inc.

MARIETTA. American Marble Co, 150 Mather inc.

ROME. Geo. Bowie & Terhune, 75 Edison inc.
J. J. Seay, 4 Ind. Jenney arc.

SALT SPRINGS. Sweet Water Park Hotel, 450 Brush inc.
Piedmont Chautauqua Co., 18 arc and 100 Thomson-Houston inc.

SAVANNAH. Southern Cotton Oil Co., 150 Westinghouse inc.
De Soto Hotel, 1,320 Western inc.
Central Railroad and Banking Co., 15 United States.

SOCIAL CIRCLE. Walton County Guano Co., 75 Edison inc.

IDAHO.

BEAVER HEAD. Beaver Head Hydraulic Mining Co., Ball.

CAMAS. Viola Mining and Smelting Co.

ILLINOIS.

AURORA. Aurora Smelting Works, 20 United States arc.
Bouton Foundry Co., 9 United States arc, 20 Thomson-Houston arc.
W. S. Frazier & Co., 80 Westinghouse inc.

ANNA. Southern Hospital for the Insane, 650 Edison inc.
W. Henderson, 252 Edison inc.

BATAVIA. Batavia Paper Co., 143 Edison inc.
Van Antwerp, Bragg & Co., 101 Edison inc.
Van Northwick Paper Co., 268 Edison inc.
Bloomington Soper Foundry Co., 6 Thomson-Houston arc.

BELLEVILLE. Western Nail Co., 250 Edison inc.

CAIRO. Steamer "Osborne," Ill. Central Railroad Co., 55 Edison inc.
James Steagala, 40 inc.
Henry Wells, Thomson-Houston.
Steamer "W. Butler Duncan" (M. & O. Railroad Transfer), United States.

CARLINSVILLE. Yaeger Flour Mill Co., 40 Sawyer-Man inc., 40 Thomson-Houston inc.

CHAMPAIGN. University of Illinois, 5 United States.

CHEBAUSE. Le Roy Payne's Horses' Home, 20 Westinghouse arc.

CHELTENHAM. Cheltenham Beach Co., Van Depoele.

CHELTENHAM BEACH. Cheltenham Improvement Co., 300 Edison inc.

CHESTER. H. C. Cole & Co., 75 Edison inc.
Southern Illinois Penitentiary, 11 Fuller.

CHICAGO. C. H. Slack, 5 United States and 295 Edison inc.

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Selz, Schwab & Co., 600 Edison inc.
Thompson & Taylor Specialty Co., 125 Edison inc.
Union League Club Building, 800 Edison inc.
Chicago "Daily News" Co., 353 Edison inc.
Pitkin & Vaughan Co., 250 Edison inc.
Rand, McNally & Co., 110 Edison inc.
Norton Bros. & Co., 60 Edison inc.
Star and Crescent Mills, 60 Edison inc.
E. K. Stevens, 60 Edison inc.
Dr. W. D. Ames, Storage.
Dr. Wildman, Storage.
Dr. Hunt, Storage.
Hauseman, McComb & Dunn, Storage.
Dr. M. H. Lackersteen, Storage.
Wm. Schmidt, Bakery, Van Depoele.
Geo. J. Falkenberg, Van Depoele.
Allen Manufacturing Co., Van Depoele, 150 Thomson-Houston inc.
Marshall Field & Co., Western.
J. V. Farwell & Co., Western.
Columbia Skating Rink, Western.
C. Jeone & Co., Western.
Chicago and Western Indiana Railroad, Western.
Hercules Iron Works, Western.
Abbott Buggy Co., Western.
Grafton & Perrin, 75 Mather inc.
Sheboygan Manufacturing Co., 200 Mather inc.
North Chicago Rolling Mills, 200 Thomson-Houston inc.
Taylor Building, 300 Brush inc.
Brush Electric Co., Chicago office, 25 Brush inc.
Panorama "Battle of Gettysburg," 24 Van Depoele.
Sherman House, 20 Van Depoele.
Clifton House, 20 Van Depoele.
McCoy's Hotel, 10 Van Depoele.
J. V. Farwell & Co., 125 Van Depoele.
Tobey Furniture Co., 16 Van Depoele.
Casino Theatre, 10 Van Depoele.
J. Beifeld & Co., Van Depoele.
New York Store, Van Depoele.
L. Z. Leiter, 20 Van Depoele.
Steamer "John A. Dix," 150 Van Depoele inc.
A. Plamondon Manufacturing Co., 26 Van Depoele.
Chicago Base Ball Park, Van Depoele.
Carson, Pirie, Scott & Co., 105 Van Depoele and United States.
The North-Western Electrical Accumulator and Lighting Co.'s Office, Storage.
Thompson-Taylor Spice Co., Storage.
J. S. Townsend, Storage.
Dr. F. H. Gardner, Storage.
Hibbard, Spencer, Bartlett & Co., Storage.
Robbins & Appleton, Storage.
E. S. Pike, Storage.
Anglo-American Provision Co., 350 Edison inc.
Armour & Co., 300 Edison inc., 650 Thomson-Houston inc. and 125 Thomson-Houston arc.
Chicago Packing and Provision Co., 175 Edison inc.
Swift & Co., 1,000 Edison inc. and 2,000 Ft. Wayne inc.
Underwood & Co., 150 Edison inc.
Wright & Lawther, 100 Edison inc.
Nelson Morris & Co., 1,200 Edison inc.
Demme & Dierkes, 75 Edison inc.
Kimball Wood Working Co., 250 Edison inc.
O. D. Witherell, 50 Edison inc.
Crane Brothers Manufacturing Co., 950 Edison inc.
Wm. Deering & Co., 985 Edison inc.
Pullman Palace Car Co., 2,200 Edison inc.
United States Rolling Stock Co., 120 Edison inc.
The Wells & French Co., 360 Edison inc.
Chicago and Northwestern Railroad Shops, 1,060 Edison inc.
C., B. and Q. R. R. Shops, 175 Edison inc.
B. D. & W. M. Eisendrath, 150 Edison inc.
Keith, Edson & Co., 85 Edison inc., also United States.
Schuttler & Hotz, 150 Edison inc.
C. M. Henderson, 400 Thomson-Houston inc.
Wells, French & Co., 400 Thomson-Houston inc. and 20 Sperry arc.
Union Depot, 800 Thomson-Houston inc. and 60 arc.
Studebaker Bros., 75 Thomson-Houston inc. and 50 arc.
Fairbanks, Morse & Co., 50 Westinghouse inc.
A. H. Strater, 7 Excelsior.

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Standard Theatre, 10 Excelsior.
Thorne Wire Hedge Co., 16 Van Depoele.
Thomson's Restaurant, 15 Excelsior.
Barnum & Richardson Manufacturing Co., 6 Thomson-Houston arc.
Williams & Jerome, 35 Thomson-Houston arc.
Balatka Bros., 6 Thomson-Houston arc.
Chas. Karstiner & Co., 12 Sperry arc.
Tremont House, 7 Excelsior
Union Rolling Mill Co., Brush.
Union Steel Co., Brush.
Vergho, Ruhling & Co.
Wardell & Hinckley, Fuller.
Weber Piano Co., Fuller and Excelsior.
Willoughby, Hill & Co, Brush, United States and Sperry.
Woodcock & Sonning.
James Wilde & Co., 25 Excelsior and 12 Thomson-Houston arc.
Western Indiana Depot, Western.
Steamer "Gordon," 100 Van Depoele inc.
Steamer "Chief Justice Waite," 10 Van Depoele arc.
McIntosh Flats, 125 United States.
Grafton & Perrin, 75 Mather inc.
Sheboygan Manufacturing Co, 200 Mather inc.
Union Cold Storage Co., 300 Mather inc.
J. E. Weise & Son, 75 Mather inc.
A. G. Spalding & Bro., 50 Mather inc.
Bauerle & Stark, 100 Mather inc.
Storey & Clark (Organs), 150 United States inc.
Palmer House, 600 United States inc. and 20 arc.
Cook County Court House, 1,200 United States inc.
Kinsley's Restaurant, 525 Edison inc.
Woodruff House, 250 Edison inc.
Academy of Music, 150 Edison inc.
Chicago Opera House, 1,060 Edison inc.
Columbia Theatre, 1,000 Edison inc. and 20 Thomson-Houston arc.
McVicker's Theatre, 1,155 Edison inc.
American Express Co., 285 Edison inc.
M. M. Baddie, 175 Edison inc.
Commercial National Bank, 150 Edison inc.
Counselman Office Building, 250 Edison inc.
Chicago City Hall, 1,800 Edison inc.
Chicago La Salle Street Tunnel, 150 Edison inc.
Chicago Washington Street Tunnel, 125 Edison inc.
Chicago Board of Trade Building, 859 Edison inc. and 40 Sperry arc.
Revere House, 10 Sperry arc.
Central Restaurant, 20 Sperry arc.
Saratoga Restaurant, 20 Sperry arc.
Arnold Bros., 10 Sperry arc.
George Brougham, 20 Sperry arc.
Bunte Bros., 20 Sperry arc.
Chicago "Tribune" Building, 45 Sperry arc.
Commercial National Bank, 10 Sperry arc.
Cowl & Van Denburgh, 20 Sperry arc.
Davis & Rankin, 10 Sperry arc.
A. S. Gage & Co., 10 Sperry arc.
Heath & Milligan, 10 Sperry arc.
D. R. & G. B. Isreal, 20 Sperry arc.
Illinois Clothing House, 20 Sperry arc.
Johnson Bros., 10 Sperry arc.
Knute, Nelson & Co., 10 Sperry arc.
Knickerbocker Ice Co., 40 Sperry arc.
Ogden Engine Co., 10 Sperry arc.
Winslow Bros., 20 Sperry arc.
Schleshinger & Mayer, 30 Sperry arc.
Walter Proby & Co., 30 Sperry arc.
Libby Prison Museum Co., 20 Sperry arc.
House of Correction, 1,153 Western Electric inc.
Sweet, Dempster & Co., 20 Sperry arc.
Fairbank's Canning Co., 2,600 Edison inc., 1,000 Thomson-Houston inc. and 70 arc.
North Chicago Street Railway, 70 Thomson-Houston inc. and 100 arc.
Chicago City Railway Co., 250 Thomson-Houston inc.
Paul Cornell, 350 Thomson-Houston inc.
Eden Musee Co., 500 Thomson-Houston inc.
Chicago Rubber Co., 200 Thomson-Houston inc.
Chicago Sash, Blind and Door Manufacturing Co., 150 Thomson-Houston inc.
Franklin McVeagh Co., 150 Thomson-Houston inc.
Baumgarth & Sheridan, 100 Thomson-Houston inc.
Clark Street Theatre, 500 Thomson-Houston inc.
A. Zeese & Co., 50 Thomson-Houston inc. and 6 arc.
A. R. Gilmore, 350 Thomson-Houston inc.

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Edward Ellsworth, 50 Thomson-Houston arc.
Allan Apartment Building, 600 Ft. Wayne inc.
American Brewing Co., 310 Edison inc.
Wannamaker & Brown, 35 Thomson-Houston arc.
Atwood Clothing Co., 70 Thomson-Houston arc.
Keith Bros., 20 Thomson-Houston arc.
E. Rothchild's Bros., 25 Thomson-Houston arc.
Rush Street Bridge, 6 Thomson-Houston arc.
Braden, Smith & Co., Thomson-Houston arc.
Longley, Low & Alexander, 12 Thomson-Houston arc.
John Mohr & Sons, 25 Thomson-Houston arc.
Martin J. Ryerson & Co., 50 Thomson-Houston arc.
J. Featherstone & Co., 20 Thomson-Houston arc.
H. J. Furber, 40 Sperry arc.
John Kranz, 80 State Street, 300 Thomson-Houston inc.
Otto Young, 350 Edison inc.
Rudolph Weber, 500 Edison inc.

EAST ST. LOUIS. Tudor Iron Works, 100 Brush inc.
Warren M. Springer, 40 Sperry arc.
Tegtemeyer, 12 Sperry arc.
Lindholm Photo-Eng. Co., 10 Sperry arc.
Castle Shirt Co., 20 Sperry arc.
The Hub Clothing Co., 25 Sperry arc.
Lees, Miller & Co., 10 Sperry arc.
L. Everingham, 10 Sperry arc.
Washington Boulevard Skating Rink, 20 Sperry arc.
Weber Boot and Shoe Co., 10 Sperry arc.
West Division Railway Co., 20 Sperry arc.
G. W. Wilce, 25 Sperry arc.
Chicago Exposition, 20 Sperry arc.
C. F. Dunderdale, Ball.
Academy of Music, 11 Ft. Wayne Jenney, 400 Thomson-Houston inc. and 16 arc.
Anderson Pressed Brick Co., Western.
American Express Co., 20 Thomson-Houston arc.
Ajax Forge Co., 6 Bain.
American Panorama Co., Excelsior.
American Press Association, Excelsior.
Asphalt Paving Works, Excelsior.
F. M. Atwood, 40 Thomson-Houston.
Axford Bros., Ft. Wayne Jenney.
Browning, King & Co , 25 Excelsior.
W. C. Bassett, Van Depoele.
Burckey & Milan, 10 Bain.
A. Booth & Sons, 10 Bain.
Blomgren Bros., 1 Thomson-Houston arc.
Bemis & McAvoy Brewing Co., 16 United States.
M. C. Bans, 10 Van Depoele.
Bradner, Smith & Co., Thomson-Houston.
Chapin & Gore, 34 Fuller and Sperry.
Chicago and Western Indiana Railroad, 50 Western.
Ender & Ender (Str. "Ivanhoe"), Western.
Kuh, Nathan & Fisher, Western.
Cahn, Wampold & Co., 45 Western.
Chicago Forge and Bolt Co., Western.
Consolidated Ice Machine Co., Western.
Marshall Field & Co. (retail), 230 Western.
Wheeler & Tappan, Western.
McCormick Harvesting Machine Co., Western.
Brown Bros. Manufacturing Co., Western.
C. W. & E. Pardridge & Co. (Boston Store), Western.
Decker & Unrath, Western.
W. M. Bent & Co., Ball.
Gromines & Ullrich, 21 Ball inc. and 12 arc.
Manz & Co., 16 Ball.
Western Warehousing Co., Ball.
Potter Palmer (Lake Side Drive), Accumulator.
McIntosh Battery & Optical Co., Accumulator.
N. K. Fairbank Co., 750 Thomson-Houston inc.
Webster & Comstock Manufacturing Co., 100 Western inc.
J. B. Clow & Son, Hawkeye.
H. C. Fish, Sperry.
Leland Hotel, 25 Sperry arc.
Briggs House, 20 Sperry arc.
Gault House, 20 Sperry arc.
Bristol House, 20 Sperry arc.
Commercial Safety Deposit Co., 100 Edison inc.
Chicago, Milwaukee & St. Paul Railroad Freight House, 250 Edison inc.

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J. W. Doane and others' residences, 558 Edison inc.
First National Bank, 250 Edison inc.
Jno. V. Farwell, 250 Edison inc.
Henry J. Furber, 250 Edison inc.
E. J. Field, 600 Edison inc.
The Fair, 200 Edison inc.
E. W. Gillett, 300 Edison inc.
Hibbard, Spencer, Bartlett & Co., 500 Edison inc.
Merchants' National Bank, 150 Edison inc.
B. W. Mandel, 950 Edison inc.
Marshall Field & Co., 500 Edison inc.
M. D. Mills, 230 Edison inc.
Montauk Block, 250 Edison inc.
C. W. & E. Pardridge & Co., 310 Edison inc.
Phœnix Insurance Building, 1,700 Edison inc.
C. T. Raynolds & Co., 85 Edison inc.
"Rookery," 4,000 Edison inc.
Gen. Anson Stager (residence and others connected), 440 Edison inc.
M. C. Bullock, Brush.
C., R. I. & P. R. R., 35 Fort Wayne Jenney.
Crane Bros. Manufacturing Co., 10 United States.
Cheltenham Improvement Co., 40 Van Depoele.
Chicago Cable R. R. Co., 30 Excelsior and Western.
Chicago Museum, 16 Van Depoele.
Chicago Clothing House, 30 Excelsior.
Calumet Iron and Steel Co., 10 United States.
Davis & Morse, 60 Excelsior.
Excelsior Iron Co., Fuller.
C. F. Elmes, 10 Bain.
Fire Boat "Geyser," 6 Western.
Fraser & Chalmers, 20 United States.
H. J. Furber, 16 United States.
First Cavalry Armory, 25 Thomson-Houston arc.
Grand Pacific Hotel, Brush and Western.
Golden Eagle Clothing House, Excelsior.
Chas. Gossage & Co., 43 United States.
B. F. Gump, 10 United States.
Thos. L. Grenier, 20 United States.
Greer & Co., 10 United States.
L. P. Hansen, 7 Excelsior.
Henrici's Restaurant, Excelsior.
A. C. Huston, Thomson-Houston arc.
Japanese Development Co., 30 Van Depoele.
Jerusalem Panorama Co., 5 Fort Wayne Jenney.
Ernest Kahlsatt, 3 Sperry.
O. R. Keith & Co., 10 United States.
C. P. Kimball & Co., Fuller.
Lincoln Park, 52 Fuller.
M. Lassig, United States.
Levy Type Co., Van Depoele.
W. T. Moore & Co., Van Depoele.
Munger Bros., Fuller-Thomson-Houston.
Morris & Goldschmidt, 25 Excelsior.
Matteson House, Thomson-Houston.
National Panorama, 30 Van Depoele.
North Chicago Rolling Mill Co., 40 United States.
Northern Screw Co., Fuller.
Neuchatel Asphalt Co., 15 Excelsior.
B. F. Norris & Co., Van Depoele.
Office Toilet Supply Co., 30 Ft. Wayne Jenney.
Ogden, Sheldon & Co., 30 Excelsior.
Panorama "Mission Ridge," 25 Fort Wayne Jenney.
Putnam Clothing House, Brush.
Leroy Payne, 10 Van Depoele, 100 Thomson-Houston.
Race Bros., Thomson-Houston.
Rust & Coolidge, 5 United States.
Rogers & Fay, 31 Thomson-Houston.
C. E. Rector, 12 Thomson-Houston arc.
Ryerson Building, 20 Thomson-Houston.
Southern Hotel, 17 United States.
Siegel, Cooper & Co., 50 Ft. Wayne Jenney.

DANVILLE. Stewart Bros., 5 Ft. Wayne Jenney.

DECATUR. W., St. L. & P. R. R., 20 United States.

DIXON. Grand Detour Plow Co., 103 Edison inc.
Riverside Shoe Co., 400 Thomson-Houston inc.

EDWARDSVILLE. Elliot W. Mudge, Thomson-Houston.

EVANSTON. Northwestern University. Van Depoele.

EAST ST. LOUIS. Union Elevator Co., 69 Edison inc.

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ELGIN. Illinois Northern Hospital for the Insane, 659 Edison inc.
Elgin Watch Co., 5,000 Edison inc.
GALENA. Shephard, Winston & Co., 18 Thomson-Houston.
GENEVA. Geneva Grape Sugar Co., 108 Edison inc.
GRAND CROSSING. Mason & Davis Co., 12 Van Depoele.
HANOVER. Hanover Manufacturing Co., 250 United States inc.
HEGEWISCH. United States Rolling Stock, 671 Edison inc.
JACKSONVILLE. State Institute for the Deaf and Dumb, 91 Edison inc.
JOLIET. Joliet Steel Co, 45 Westinghouse arc.
Joliet Enterprise Co., 18 Thomson-Houston arc.
Joliet Steel Co., Ball.
Lambert & Bishop Wire Fence Co., 40 United States.
L. E. Ingalls, 70 Van Depoele.
Illinois Steel Co., 300 Thomson-Houston inc.
KANKAKEE. Illinois Eastern Hospital for the Insane, 673 Edison inc.
Kankakee Paper Co., Van Depoele.
Illinois Eastern Hospital for the Insane, Western.
KEWANEE. Lay & Lyman, 25 Western.
Haxton Steam Heating Co., 25 United States.
LA SALLE. Lake Forest. L. J. McCormick, 50 Thomson-Houston inc.
Utica Cement Manufacturing Co., Van Depoele.
LOCKPORT. Norton & Co., 60 Edison inc.
Lockport Paper Co., 60 Edison inc.
Desplaines Valley Co., 25 Edison inc.
Grant Wire Co., 30 Edison inc.
LITCHFIELD. Litchfield Car and Machine Co., 15 Thomson-Houston.
MINONK. Chicago Minonk Coal and Coke Co., 150 Edison inc.
MOLINE. Barnard & Leas Manufacturing Co., 20 Western arc and 50 Western inc.
Dimock, Gould & Co., 20 United States arc and 100 United States inc.
Deere & Co., 16 Brush arc and 10 Brush inc.
Moline Wagon Co., 300 Hawkeye inc.
MT. VERNON. Allen C. Tanner, Excelsior.
OAK PARK. American Spring Co., 20 Sperry arc.
OTTAWA. M. Stiefel, Thomson-Houston.
Fisk & Beem, 15 Brush.
PETERSBURG. C. D. Wright, 155 Ball arc.
PERU. Illinois Zinc Co., Thomson-Houston.
PEORIA. Carter, Stewart & Co., 30 Edison inc.
R. H. & C. M. Avery, 150 Edison inc.
National Hotel, 13 Thomson-Houston.
PITTSFIELD. C. P. Chapman & Co., 25 Thomson-Houston inc.
PULLMAN. Pullman Palace Car Co., 748 Edison inc., 25 Brush inc., also Ball.
Union Foundry and Pullman Car Wheel Works, 32 Western.
QUINCY. Taylor Bros. & Co., 100 Edison inc.
ROCK ISLAND. Rock Island Water Works, Van Depoele.
Graham & Co., Van Depoele.
ROCKTON. Bradner, Smith & Co., Van Depoele.
SHELBYVILLE. Shelbyville Water Works Co., 50 American arc.
STREATOR. J. S. Williams, Van Depoele.
SPRINGFIELD. A. L. Ide, Storage.
State Capitol Building, 50 American arc.
TOWN OF LAKE. Water Works, 10 Sperry arc.
THORNTON. R. E. Brownell & Co., Western.
VANDALIA. Vandalia Paper Co.
WILMINGTON. Wilmington Paper Co., 25 Edison inc.
WARSAW. Knox Hill Co., 150 Thomson-Houston inc.
Warsaw Milling Co., 35 Thomson-Houston inc.

INDIANA.

ANDERSON. J. D. Bosworth, Thomson-Houston.
BADEN SPRINGS. West Baden Springs Co., 225 Edison inc.
BRAZIL. Central Iron and Steel Co., 12 Van Depoele.
COLUMBUS. Cerealine Mfg. Co., 75 Edison inc.

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Gaff, Gent & Thomas, 75 Edison inc.
COLUMBIA CITY. S. J. Peabody, 10 Jenney arc.
CONNERSVILLE. McFarland Carriage Co., 225 Edison inc.
DELPHI. Levi Dodge, 25 Westinghouse inc.
W. B. Dodge, 25 Westinghouse inc.
EVANSVILLE. Kratz Bros., 9 Heisler.
Heilman & Sons, 50 Thomson-Houston inc.
FORT WAYNE. "Gazette" Printing Co., 4 Ft. Wayne Jenney.
Olds Wagon Co., 16 Ft. Wayne Jenney.
Pennsylvania Co. (Depot, Shops and Tracks), 120 Ball.
Feeble Minded Institute, 600 Ft. Wayne inc.
FRENCH LICK. French Lick Springs Hotel, 300 Edison inc.
GARRETT. B. & O. R. R., 48 Thomson-Houston.
F. H. Britton, 45 Thomson-Houston inc.
GOSHEN. Jno. H. Lesh, 3 Ft. Wayne Jenney.
HAMMOND. Chicago Steel Mfg. Co., 400 United States inc.
J. C. Melvin & Hammond Packing Co., Western.
HARTFORD CITY. B. M. Boyd, Casperson.
INDIANAPOLIS. Undell Wooden Ware Co., 30 Ind. Jenney inc.
Evans Linseed Oil Co., 50 Ind. Jenney inc.
Tucker & Dorsey, 30 Ind. Jenney inc.
Indianapolis "Daily Sentinel," 300 Ind. Jenney inc.
Indianapolis Union Ry. Co., 1,200 Ind. Jenney inc.
Schmidt's Brewery, 300 Ind. Jenney inc.
Dickson & Talbot, 600 Jenney.
Indianapolis "Daily News," 100 Ind. Jenney inc.
New Denison Hotel, 300 Ind. Jenney inc.
Park Theatre, 500 Ind. Jenney inc.
Kingan & Co., 300 Ind. Jenney inc.
Indianapolis Car & Mfg. Co., 53 Edison inc.
Bates House, 400 Edison inc.
Indianapolis Roller Mill Co., 20 Ind. Jenney arc.
Nordyke & Marmon Co., 38 arc and 100 Jenney inc.
Haugh, Ketchum & Co., 20 arc and 30 Ind. Jenney inc.
Indiana Cyclorama Co., Ft. Wayne Jenney.
Model Clothing Co., 40 Brush.
Geo. F. Pfingst, Ft. Wayne Jenney.
Union Station, 60 Ind. Jenney.
When Clothing Co., 25 Ft. Wayne Jenney.
JEFFERSONVILLE. Floating Museum, 425 Edison inc.
Ohio Falls Car Co., 20 American arc.
M. A. Sweeney & Co., Ft. Wayne Jenney.
Ohio Falls Car Co., 65 Brush.
KENDALLVILLE. J. D. Kelley, 50 Mather inc.
KINGSTON. R. M. Kenney, 30 Thomson-Houston arc.
LA GRANGE. La Grange Butter Tub Co., 12 Western.
LA PORTE. C. H. Michael, Van Depoele.
LIGONIER. B. F. Draper, 30 Thomson-Houston arc.
MADISON. Eagle Cotton Mills, 309 Edison inc.
Madison Woolen Mills, 110 Edison inc.
Str. "New Kanawha," 3 Ft. Wayne Jenney.
MICHIGAN CITY. Haskell & Barker Car Co., 30 Thomson-Houston.
North Indiana Prison, 1,200 Ft. Wayne inc.
MUNCIE. James Boyce, 800 Edison inc. 350 Brush, Thomson-Houston inc.
NEW ALBANY. New Albany Woolen Mills, 600 Brush inc.
Depauw Am. Plate Glass Co., 47 Brush.
NOTRE DAME. University of Notre Dame, Van Depoele.
ORLAND. G. T. Smith, 50 Ind. Jenney inc.
PERU. V. Z. Irwin, Thomson-Houston.
PORTLAND. S. Kerschbaum & Co., 5 Ft. Wayne Jenney.
RICHMOND. E. D. Palmer, 7 Excelsior, 50 Edison inc.
Jas. M. Starr, 300 Ind. Jenney inc.
ROCKFORD. A. W. Keeney, 25 Edison inc.
Nelson Knitting Co., 20 Van Depoele.
Rockford Bolt Works, Van Depoele.

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ROME CITY. Grand Rapids & Ind R. R., 10 Ft. Wayne Jenney.
Island Park Assembly, Ft. Wayne Jenney.
SEYMOUR. Blish Milling Co., 50 Ind. Jenney inc.
SOUTH BEND. University of Notre Dame, 375 Edison inc.
Indiana Paper Co., 100 Ind. Jenney inc.
Studebaker Bros. Mfg. Co.
University of Notre Dame, 12 Thomson-Houston arc.
Oliver Chilled Plow Works, 800 Edison inc.
TERRE HAUTE. Terre Haute Hotel Co., 500 Ind. Jenney inc.
H. Hulman, 50 Edison inc.
WABASH. Wabash Novelty Wood Works Co., 48 Ft. Wayne Jenney inc.
WARSAW. G. B. Lesh Mfg. Co., 8 Western.
WHITING. Standard Oil Co., Brush.
WAUCEGAN. Rose Malt Works, 200 Thomson-Houston inc.

IOWA.

AMES. Iowa Agricultural College, 350 Edison inc.
ANAMOSA. Iowa State Penitentiary, 480 Edison inc.
BURLINGTON. Burdette Co., 20 Van Depoele inc.
Burlington "Hawkeye," Van Depoele.
C. K. Wright, Van Depoele.
CHARITON. Whitebreast Coal Co., 10 U. S.
CLINTON. Chicago and Northwestern Railroad Shops, 349 Edison inc.
C. Lamb & Sons, 3 Excelsior, 150 Edison inc.
Steamer "J. W. Mills," 2 Excelsior.
Steamer "Iowa," 3 Excelsior.
Gardner. Batchelder & Wells, 2 Excelsior.
COUNCIL BLUFFS. Deaf and Dumb Institute, 300 Mather inc.
Omaha and Council Bluffs Railway and B. Co , 20 Thomson-Houston arc.
Union Pacific Railway, 25 Edison inc.
DAVENPORT. Davenport Grain and Malt Co., 100 Hawkeye inc.
Kimball House and Burtis Opera House, 225 Hawkeye inc.
Davenport "Gazette," 120 Edison inc.
Phœnix Mill Co., 75 Hawkeye inc.
McCullough Block, 150 Hawkeye inc,
DES MOINES. Iowa State Agricultural Society, 200 Edison inc.
Electric Street Railway Co., Hawkeye.
Baker Wire Co., 6 Thomson-Houston.
Des Moines Water Works Co., 75 Hawkeye.
DUBUQUE. Novelty Iron Works, 60 Edison inc.
Diamond Joe Line Steamers, 9 Fuller, Excelsior and Brush.
National Iron and Brass Works, 5 Western.
Smedley & Meyers, 5 United States.
Standard Lumber Co., 13 Excelsior and Van Depoele.
Steamer "Reiling," 2 Excelsior.
Steamer "Lineham," 2 Excelsior.
FORT DODGE. Miller & Phelps, 20 Thomson-Houston inc.
FORT MADISON. Iowa State Penitentiary, 525 Edison inc.
KEOKUK. United States Government Canal Lighting, 6 United States and Brush.
OTTUMWA. Pallister Brothers, 3 United States.
MAQUOKETA. Barnes Brothers, 400 Westinghouse inc.
MARSHALLTOWN. F. L. Seevers, 600 Thomson-Houston inc.
MUSCATINE. Muscatine Oatmeal Co., 30 Edison inc.
MITCHELVILLE. Girl Reform School, 150 Thomson-Houston inc.
NEWTON. Vaughan & Wilder, 600 Thomson-Houston inc.
SIOUX CITY. City Mill Co., 40 Edison inc.

KANSAS.

ATTICA. Kansas Sugar Co., 100 Thomson-Houston inc.
ARGENTINE. Kansas City Smelting and Refining Co., 200 Edison inc.
ARMOURDALE. Kingan & Co., 500 Edison inc.
CLYDE. J. W. Brown, Thomson-Houston.
COUNCIL GROVE. E. W. Poindexter, Thomson-Houston.
FORT LEAVENWORTH. Military Prison, 317 Thomson-Houston inc.
FORT SCOTT. Fort Scott Foundry and Machine Works, 52 Edison inc.

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FREDONIA. Isaac P. West, Thomson-Houston.
HERRINGTON. E. W. Poindexter, Thomson-Houston.
HOLTEN. Walter & Glabe, 200 Ind. Jenney inc.
HUTCHINSON. Drake & Orton, 600 Edison inc.
KINGMAN. Charles Wright & Co., Heisler.
LANSING. Kansas State Penitentiary, 576 Edison inc.
LARNARD. Wadsworth, Ditson & Dunn, 300 Thomson-Houston inc.
LAWRENCE. S. B. Piersons' Sons, 330 Edison inc.
Lawrence Water Works, Western.
MARION. F. E. Palmer, Thomson-Houston.
MARYSVILLE. Perry Hutchinson, 25 Edison inc.
MINNEAPOLIS. Minneapolis Water Works, Thomson-Houston.
NEWTON. Newton Real Estate and Improvement Co., Thomson-Houston.
OTTAWA. H. D. Crane & Co., Excelsior Mills, 36 Ind. Jenney inc.
OSWEGO. F. E. Palmer, Thomson-Houston.
PRATT. M. Coatos, 100 Edison inc.
STERLING. J. Allen Porter, 50 Thomson-Houston inc.
TEXARKANA. Arkansas Oil Co., 100 Edison inc.
TOPEKA. Kansas State Asylum for the Insane, 1,130 Edison inc.
Stelabarge & Griswold, 35 Edison inc.
Commonwealth, 150 Sawyer-Man and 150 Thomson-Houston inc.
VALLEY FALLS. J. M. Piazzek, 300 Ind. Jenney inc.
WICHITA. Burton Stock Car Co., 8 Thomson-Houston arc.

KENTUCKY.

CARROLLTON. Carrollton Furniture Co., 150 Thomson-Houston inc.
CORINTH. E. O. Stevenson, 6 United States.
COVINGTON. Covington Brewery, 100 Edison inc.
American Wire Nail Co., 50 Edison inc.
Novelty Sign Work, 450 Edison inc.
Hemingray Glass Co., 5 United States.
FRANKFORT. Kentucky River Mills, 40 Edison inc.
GEORGETOWN. Blue Grass Cordage Co., 100 inc.
HARRODSBURG. L. D. Cardwell, 600 Ft. Wayne inc.
HENDERSON. Henderson Cotton Manufacturing Co., 300 Edison inc.
Henderson Woolen Mills, 200 Thomson-Houston inc.
HOPKINSVILLE. Western Kentucky Lunatic Asylum, 300 Thomson-Houston inc.
LEXINGTON. Phœnix House, 100 Edison inc.
Lexington Roller Mills, 40 Edison inc.
LOUISVILLE. Astoria Veneer Co., 50 Mather inc.
Dennis, Long & Co., 100 Mather inc.
Kentucky Wagon Co., 500 Mather inc.
Central Insane Asylum, 250 Edison inc.
Ballard & Ballard Co., 50 Edison inc.
Louisville Cotton Mills Co., 600 Edison inc.
Old Kentucky Woolen Mills, 330 Edison inc.
Bremaker Moor Paper Co., 12 United States and 100 Edison inc.
Louisville and Evansville Mail Co., 225 Edison inc.
Falls City Jean and Woolen Mill, 200 Thomson-Houston inc.
Belknap and Demesnil Stone Co., 6 Hawkeye arc.
Pioneer Worsted Co., Brush.
Gaynor Electric Co., 200 Thomson-Houston inc.
H. W. Barrett, 200 Thomson-Houston inc.
Bear Grass Woolen Mills, 50 Thomson-Houston inc.
Southern Woolen Mills, 100 Thomson-Houston inc.
Phœnix Brewing Co., 200 Thomson-Houston inc.
J. H. Sutleff, 75 Thomson-Houston inc.
Louisville Chair Co., 200 Thomson-Houston inc.
Louisville and Madison Mills Co., 600 Brush inc.
B. F. Avery & Sons, 35 Ft. Wayne Jenney.

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"Courier Journal" Job Printing Co., 5 United States.
Fireworks Amphitheatre, 38 Ft. Wayne Jenney.
W. F. Norton, Ft. Wayne Jenney.
Southern Exposition, Ft. Wayne Jenney.
Louisville Bagging Manufacturing Co., Brush.
Eclipse Woolen Mills, Thomson-Houston.
MAYFIELD. Mayfield Woolen Mills, 200 Thomson-Houston inc.
NEWPORT. J. W. Livezy, 50 Edison inc.
George Wideman, 230 Edison inc.
RED ASH. Bird Eye Coal Co.
RICHMOND. E. Foreman & Sons, 40 Edison inc.

LOUISIANA.

AMITE CITY. Gullett Mfg. Co., 150 Westinghouse inc.
BOUNE CARRE. Leavel, Alford & Co., 40 Edison inc.
DONALDSONVILLE. James Teller, 75 Edison inc.
GRETNA. Planters' Crescent Oil Co., 150 Edison inc.
JACKSON. Louisiana Insane Asylum, 75 Edison inc.
Louisiana Brewery, 150 Edison inc.
Lane Cotton Mills, 100 Edison inc.
Planters' Crescent Oil Co., 75 Edison inc.
Pelican Brewery, 75 Edison inc.
Weckerling Brewery, 75 Edison inc.
Steamer "Gov. J. C. Brown," 40 Edison inc.
MAGNOLIA. H. C. Warmouth, 171 Edison inc.
MT. LEBANON. Mt. Lebanon University, 100 Westinghouse inc.
MUNROE. Munroe Oil Mills, 75 Edison inc.
MYRTLE GROVE. Theo. S. Wilkinson, 75 Edison inc.
NEW ORLEANS. Custom House, 1,300 Edison inc.
Union Oil Co., 250 United States inc.
Tulane University of Louisiana, 40 Edison inc.
Hotel Royal, 320 Edison inc.
St. Charles Hotel, 150 Edison inc.
Custom House and Post Office, 1,200 Edison inc.
Lane Cotton Mills, 300 Edison inc.
Louisiana Brewery, 75 Edison inc.
New Orleans Refrigerator Co., 75 Edison inc.
Pelican Brewery, 115 Edison inc.
Weckerling Brewery, 75 Edison inc.
Richard Viterbo, 40 Edison inc.
Southern Cotton Oil Co., 450 Westinghouse inc.
Hotel Royal, 16 Ft. Wayne Jenney.
International Panorama Co., 25 Ft. Wayne Jenney.
South Brewing Co., 50 Thomson-Houston inc.
Ouachita River Consolidated Line, Ft. Wayne Jenney.
St. Charles Hotel, 5 Ft. Wayne Jenney.
Steamer "Corunna," 3 Ft. Wayne Jenney.
Steamer "St. John," 3 Ft. Wayne Jenney.
Steamer "Johanna," 4 Ft. Wayne Jenney.
Steamer "John Howard," 5 Ft. Wayne Jenney.
Steamer "Tensas," 5 Ft. Wayne Jenney.
Steamer "Henry Marks," 3 Ft. Wayne Jenney.
PATTERSONVILLE. Daniel Thompson, 225 Edison inc.

MAINE.

AUBURN. Ara Cushman & Co., 800 Thomson-Houston inc.
AUGUSTA. Augusta Pulp Co., 50 Mather inc.
Edwards Mfg. Co., 500 Brush inc.
BANGOR. H. W. Smith, 50 Thomson-Houston inc.
James Walker and Co., 25 Thomson-Houston inc.
BAR HARBOR. Grant & Son, 150 Sawyer-Man inc.
Dr. Robert Amory's Cottage, 36 inc.
BASIN MILLS. James Walker & Co., 75 Thomson-Houston inc.
BATH. New England Co., 300 Thomson-Houston inc.
Steamer "Kennebeck," 400 Thomson-Houston inc.
BENTON. Kennebec Fibre Co., 150 Standard inc.
BIDDEFORD. Joseph Westcott & Son, Westinghouse.

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BOOTH BAY. Cumberland Bone Co., 300 Edison inc.
BREWER. W. Ayer, 50 Thomson-Houston inc.
Eastern Mfg. Co., 200 Thomson-Houston inc.
BRUNSWICK. Bowdoin College, 40 Edison inc.
C. B. Story, Ball.
CHERRYFIELD. C. B. Story, 300 Thomson-Houston inc.
CUMBERLAND MILLS. S. D. Warren & Co., 800 Mather inc.
GARDINER. Richards Paper Co., 100 Mather inc.
S. D. Warren & Co., "Copescook Mill," 50 Mather inc.
P. C. Holmes, 75 Edison inc.
GREAT LAKE STREAM. F. Shaw & Bro., 90 Edison inc.
GUILFORD. L. C. Bass Mfg. Co., 100 Thomson-Houston inc.
HALLOWELL. E. Milliken & Co., 50 Thomson-Houston inc.
HOULTON. E. Merritt & Sons, 400 Mather inc.
KENNEBUNK BEACH. W. F. Hall, 10 American arc.
KEZAR FALLS. Kezar Falls Woolen Mills, 150 Edison inc.
LEWISTON. Bates Mfg. Co., 38 Arnoux-H., 1,575 Edison inc.
E. W. Gross, 50 American.
LINCOLN. Lincoln Pulp and Paper Co., 115 Edison inc.
John McGregor, 5 United States inc.
LISBON FALLS. Worumbo Mills, 1,200 Edison inc.
MADISON. Madison Woolen Mills, 400 Thomson-Houston inc.
MILO. T. J. Stewart, 50 Thomson-Houston inc.
Milo Mill, 25 Thomson-Houston inc.
OAKLAND. Oakland Electric Light Co., 250 Edison inc.
ORONO. E. Mansfield & Co., 50 Thomson-Houston inc.
POLAND SPRINGS. H. Ricker & Sons, 12 Thomson-Houston arc.
Poland Springs Hotel, 12 Thomson-Houston arc.
PORTLAND. F. A. Sawyer, 25 Edison inc.
Ottawa House, 400 Thomson-Houston inc.
Portland Steam Packet Co., 400 Thomson-Houston inc.
Portland Co., 17 Arnoux-H.
Westbrook Mfg. Co., 80 Arnoux-H. and American.
Curtis, Willard & Goding, 15 Arnoux-H.
RICHMOND. Clark & Milliken, 50 Thomson-Houston inc.
SACCARAPPA. W. H. Dana, 450 Edison inc.
George E. Davis, 450 Brush inc.
W. K. Dana & Co., 25 Thomson-Houston, 160 Edison inc.
Westbrooke Mfg. Co., 300 Sawyer-Man inc., 25 American arc and 300 Thomson-Houston inc.
SACO. York Mfg. Co., 10 United States and 1,800 Edison inc.
SEBEC. Mt. Kineo Woolen Co., 200 Thomson-Houston inc.
SHAWMUT. Shawmut Fibre Co., Brush.
SKOWHEGAN. W. K. Shurtleff, 50 Edison inc.
SOUTH WINDHAM. Sebago Wood Board Co., 100 Mather inc.
SPRINGVALE. E. & A. Madge Shoe Co., 650 Standard inc.
Burley & Usher, 200 Standard inc.
WATERVILLE. Lockwood Co., 525 Edison inc.
WEST GREAT WORKS. Penobscot Chemical Fibre Co., 11 United States arc and 150 Edison inc.
WEST PARIS. J. Wayland Kimball Co., 100 Mather inc.
YARMOUTH. L. L. Shaw & Co., 75 Mather inc.
YARMOUTHVILLE. Forest Paper Co., 225 Mather inc.

MARYLAND.

ANNAPOLIS. U. S. Naval Academy, Storage and 50 Edison inc.
ARLINGTON. W. H. Huchins, 40 Edison inc.
BALTIMORE. Viaduct Mfg. Co., 120 Edison inc.
Jacob C. Shafer, 110 Edison inc.
William Knabe & Co., 130 Edison inc.
Mt. Vernon Mills, 40 Edison inc.
E. L. Tunis & Co., 72 Sawyer-Man inc.

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National Consumers' Meat Co., 75 Sawyer-Man and 75 Thomson-Houston inc.
W. P. Harvey & Co., 60 Sawyer-Man inc.
W. L. Stork, 351 Sawyer-Man and 350 Thomson-Houston inc.
Columbian Iron Works, 50 Sawyer-Man inc.
Steamer "Virginia" (Baltimore Steam Packet Co.), 130 Edison inc.
Tunis Lumber Co., 75 Thomson-Houston inc.
Int. Dist. and Cons. Co., 1,300 Thomson-Houston inc.
Richard Sauer Mfg. Co., 100 Thomson-Houston inc.
Penna. Steel Co., 30 Thomson-Houston arc.
Wise Bros., 540 Edison inc.
Maryland Pavement Co., 9 Thomson-Houston arc.
Steamer "Carolina" (Baltimore Steam Packet Co.), 135 Edison inc.
Steamer "Joppa" (Maryland Steamship Co.), 50 Edison inc.
Steamer "Baltimore" (Baltimore, Chesapeake and Richmond Steamship Co.), 70 Edison inc.
Steamer "Georgia" (Baltimore Steamship Co.), 300 Edison inc.
Steamer "Elizabeth" (Baltimore and Philadelphia Steamboat Co.), 35 Edison inc.
Steamer "H. L. Gaw" (Baltimore and Philadelphia Transportation Co.), 40 Edison inc.
Steamer "Richard Willing" (Baltimore and Philadelphia Transportation Co.), 40 Edison inc.
Gambrill Manufacturing Co,, 74 Edison inc.
A. S. Abbott Co., 250 Edison inc.
Proal J. Davis, 120 Edison inc.
J. S. Gray & Son, 301 Edison inc.
Mount Vernon Co., 400 Edison inc., 20 United States.
George Bauernschmidt, 165 Edison inc.
Cassard & Son, 61 Edison inc.
O. Hammond, Jr., 50 Edison inc.
Jacob C. Schafer, 110 Edison inc.
Steamer "Avalon" (Maryland Steamboat Co.), 60 Edison inc.
Steamer "Ida" (Maryland Steamboat Co.), 60 Edison inc.
Steamer "Columbia," 115 Edison inc.
Steam Yacht "Ballymena" (Geo. S. Brown), 40 Edison inc.
Baltimore & Ohio R. R., Thomson-Houston.
Baltimore Car Wheel Co,, 10 Fuller.
Baltimore "Daily News," 3 United States.
Rennert's Hotel, 600 Edison inc.
Ford's Opera House, 417 Edison inc.
Baltimore Steam Packet Co., 169 Edison inc.
Hammond & Wilmer, 400 Edison inc.
W. I. Hooper & Sons, 300 Edison inc.
Baltimore "Sun," 350 Edison inc.
Baltimore "American," 50 Edison inc.

BAY RIDGE. Ray Ridge Resort Co., 150 Edison inc.

CHESTERTOWN. Wilbur Eliason, 50 Westinghouse inc.

CONOWINGO. Susquehanna Water Power Co., 100 Edison inc.

ELKTON. Record Paper Mills, 100 Sawyer-Man and 100 Thomson-Houston inc.

ELYSVILLE. Alberton Cotton Mills, 275 Edison inc.
Abbott Cotton Mills, 250 Edison inc.

HAVRE DE GRACE. Wm, Sooysmith & Son, 50 Edison inc.
Mt. Savage, Cumberland and Pennsylvania R. R. shops, 100 Thomson-Houston inc.

KENTMORE. James Biddle Sons & Co., 200 Edison inc.

PHŒNIX STATION. Phœnix Mills, 150 Sawyer-Man inc.

POCOMOKE CITY. Young & Colburn, 780 Edison inc.

TOLCHESTER BEACH. Steamer "Louise" (Tolchester Steamboat Co.), 45 Edison inc.

WESTMINSTER. W. S. Myer & Bro., 40 Edison inc.

MASSACHUSETTS.

ADAMS. American Zylonite Co., 600 Edison inc.
B. F. Phillips & Son, 30 Western Electric Co. arc.
Renfrew Mfg. Co., 88 Brush and United States.

ASHBURNHAM. Boston Chair Co., 150 Edison inc.

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ATTLEBORO. Electric Launch (H. K. Sturdy), Storage.
Gold Medal Braid Co., 25 Schuyler arc.
AUBURN. Stoneville Worsted Co., 150 Mather inc.
BAY VIEW. Cape Ann Granite Co., 5 United States.
BEVERLY. Woodbury Bros., 200 Standard inc.
BLACKINTON. Blackinton Woolen Mills, 450 Edison inc.
BOSTON. Bunker Hill Cyclorama Co., 16 Ball and 50 Mather inc.
The Church Green Block (A. W. Perry), 1,500 Mather inc.
Fabyan's Yacht (Geo. R. Fabyan), 50 Mather inc.
Hall Rubber Co., 75 Mather inc.
J. S. Farlow, 200 Mather inc.
Whittier Machine Co., 15 Schuyler arc.
Equitable Building, 1,000 United States inc.
Massachusetts State House, 225 Edison inc.
Hotel Vendome, 390 Edison inc.
Bijou Theatre, 820 Edison inc.
Conservatory of Music, 920 Edison inc.
Adams Express Co., 150 Edison inc.
Assay Office, 60 Edison inc.
Boston Post Office, 1,350 Edison inc.
F. B. Burkhardt, 40 Edison inc.
Chickering & Sons, 225 Edison inc.
J. F. Faxon, 450 Edison inc.
Jordan, Marsh & Co., 225 Edison, 80 Brush and Ball inc.
Massachusetts Hospital Life Insurance Society, 600 Edison inc.
D. S. McDonald, 75 Edison inc.
Mechanical Refrigerator Co., 75 Edison inc.
Marsh, Thompson & Co., 25 Edison inc.
New England and Savannah S. S. Wharf, 115 Edison inc.
S. S. Pierce & Co., 450 Edison inc.
I. W. Tufts, 450 Edison inc.
Auchmudie Building, 750 Edison inc.
Boston Bolt Co., 6 Fuller.
C. H. Bocall, 2 United States.
W. S. Butler & Co., 15 Thomson-Houston.
Bay State Iron Co., 15 Ball.
Boston and Albany Railroad Co., 90 Brush.
Continental Clothing House, 30 Brush.
Eastern Railroad Co., Thomson-Houston.
Fitchburg Railroad Co. (Charlestown district), 50 United States.
Freeland, Loomis & Co.
C. H. Greenleaf & Co.
Hinckley Locomotive Works.
Hoosac Tunnel, Dock and Elevator, United States.
Lowell Passenger Depot.
Lowell Mfg. Co., 10 United States.
Main Depot, 24 Thomson-Houston.
Oakland Gardens, 10 United States.
Norway Steel and Iron Co., 16 Brush.
L. Prang & Co., 26 United States and Joblochkoff.
Isaac B. Rich, United States.
Thomas J. M. Smith & Co., Thomson-Houston.
Standard Sugar Refining Co., 10 United States and 800 Thomson-Houston inc.
South Boston Iron Co., 30 Brush.
Suffolk Cordage Co., 45 Ball.
W. T. Sears, 20 United States.
B. F. Sturtevant, 10 United States.
Tremont Foundry Co., 6 Fuller.
Tremont Nail Co., 10 Fuller and United States.
American Rubber Co.
The Massachusetts General Hospital.
Savannah Steamship Co.
Automatic Electric Co.
Cyclorama Building, 25 Ball.
Fuller & Holtzer, 15 American arc.
Institute of Technology, Accumulator.
Steam Yacht "Seneca" (George F. Fabyan), Storage.
Portable Lighting, Storage.
H. & J. Pfaff, brewers, 10 American arc.
Electrical Development and Mfg. Co., 25 American arc.
Macullar, Parker & Co., 60 Ball arc.
T. D. Cook & Co., 250 Thomson-Houston inc.
R. Marston, Westinghouse.
Shephard, Norwell & Co., 40 Brush and Ball.
Ames Building, 850 Edison inc.
Standard Cordage Co., 400 Thomson-Houston inc.
Boston Theatre, 2,000 Edison inc.

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Y. M. C. A. Building, 400 Thomson-Houston inc.
Massachusetts Institute of Technology, 500 Thomson-Houston inc.
N. E. Telegraph and Telephone Co., 100 Thomson-Houston inc.
Sawyer-Man Co., 400 Thomson-Houston inc.
Perry, Mason & Co., 200 Thomson-Houston inc.
American Tool Machine Co., 50 Thomson-Houston inc.
West End Railway Co., 400 Thomson-Houston inc.
Shipman Engine Co., 50 Thomson-Houston inc.
Boston Water Works, 200 Standard inc.
Mariner & Co., 50 Thomson-Houston inc.
Boston City Council, 180 Edison inc.
Coolidge Building, 400 Mather inc.
Hathaway Building, 400 Thomson-Houston inc.
William Underwood & Co., 100 Thomson-Houston inc.
L. Prang & Co., 200 Thomson-Houston inc.
Sears Building, 200 Thomson-Houston inc.
N. E. Building, 400 Thomson-Houston inc.
Paine Furniture Co., 800 Thomson-Houston inc.
Quincy Cold Storage Co., 300 Standard
W. F. Bodger, 300 Standard inc.
F. M. Kimball, Ball.
S. D. Hicks & Son, 4 Fuller.
William S. Butler & Co., Fuller.
L. G. Burnham & Co., Fuller.
Boston Heating Co., 10 United States.
Boston Photo-Engraving Co., 1 United States.
George Upton, United States.
R. H. White & Co., 156 Thompson-Houston, 1,400 Edison inc.
Boston "Daily Advertiser," 225 Edison inc.
Boston "Herald" Office, 12 United States and 975 Edison inc.
Boston "Daily Globe," 900 Edison inc.
Boston Sugar Refinery, 300 Edison inc.
Bay State Sugar Refinery, 150 Edison inc.
Williams, Page & Co., 150 Edison inc.
Beacon Oil Co., 75 Edison inc.
Continental Brewery, 150 Edison inc.
Boston Chain Co., 150 Edison inc.
Boston Rubber Shoe Co., 10 United States and 78 Edison inc.
Boston Cordage Co., 275 Edison inc.
Bigelow & Dowse, 58 Sawyer-Man and 100 Thomson-Houston inc.
Marston & Co., 180 Sawyer-Man inc.
New England Telephone and Telegraph Co., 100 Sawyer-Man inc.
Roxbury Carpet Co., 50 Sawyer-Man inc.
Walworth Mfg. Co., 100 Sawyer-Man and 100 Thomson-Houston inc.
Massachusetts Homeopathic Hospital, 160 Sawyer-Man and 160 Thomson-Houston inc.
W. H. Butler & Co., 150 Sawyer-Man inc.
A. J. Wilkinson & Co., 75 Sawyer-Man and 75 Thomson-Houston inc.
T. D. Cook & Co., 250 Sawyer-Man inc.
Claflin & Kimball, 250 Mather inc.
Sewall & Day Cordage Co., 800 Westinghouse inc.
R. H. Stearns & Co., 150 Thomson-Houston inc.
Walworth Building, 200 Thomson-Houston inc.
Whitten, Burdett & Young, 200 Westinghouse inc.

BLACKSTONE. Evans, Seagraves & Co., 35 Waterhouse arc.

BROCKTON. George E. Keith, 30 Ft. Wayne Jenney.

BROOKLINE. W. F. Weld, 50 Edison inc.

CAMBRIDGE. Boston Woven Hose Co., 150 Sawyer-Man and 150 Thomson-Houston inc.
Morse & Wyte, 300 Thomson-Houston inc.
Roberts' Iron Works Co., 50 Thomson-Houston inc.
Day Cordage Co., 100 Thomson-Houston inc.
George F. Blake Mfg. Co., 30 Thomson-Houston arc.
F. A. Kennedy, 400 Thomson-Houston inc.
American Net and Wire Co., 200 Thomson-Houston inc.

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Cambridge Training School, 200 Thomson-Houston inc.
CAMBRIDGEPORT. G. G. Page & Co., 250 Thomson-Houston inc.
American Net and Twine Co., 350 Thomson-Houston inc.
Geo. F. Blake & Co., 400 Thomson-Houston inc.
F. A. Kennedy & Co., 400 Thomson-Houston inc.
Cambridge Training School, 200 Thomson-Houston inc.
American Rubber Co., 1,350 Edison inc.
CAMPELLO. Yeager Flour Mill Co., 40 Thomson-Houston inc.
CHARLESTOWN. Ackers & Taylor, 40 Edison inc.
CHELMSFORD. Geo. W. Moore, 250 Thomson-Houston inc.
CHELSEA. T. Martin & Brothers, 300 Brush inc.
Low's Art Tile Works, 75 Brush inc.
Suffolk Cordage Co., 45 Ball.
Soldiers' Home, 400 Thomson-Houston inc.
CHICOPEE FALLS. Chicopee Mfg. Co., 90 Brush.
Overman Wheel Co., 300 Thomson-Houston inc.
CLINTON. Bigelow Carpet Co., 300 Brush inc.
DALTON. Crane & Co., 400 Mather inc.
Z. Crane, Jr., & Brother, 250 Mather inc.
Byron Weston, 225 Edison and 400 Thomson-Houston inc.
Carson, Brown & Co., 60 Brush and Thomson-Houston.
Dalton Shoe Co., 100 Mather inc.
DOWNERS LANDING. Melville Garden, 24 United States.
DENVER. Woodman Brothers & Ross, 50 Thomson-Houston inc.
EAST BOSTON. E. Hodge & Co., United States.
Lockwood Mfg. Co., 15 United States.
EAST CAMBRIDGE. J. P. Squires & Co., 450 Edison inc.
G. F. Blake Mfg. Co., 30 Thomson-Houston arc.
Davidson Rubber Co., 200 Thomson-Houston inc.
EAST WALPOLE. F. W. Bird & Son., 75 Edison inc.
Hollinsworth & Vose, 200 Standard inc.
FAIRFIELD. Fairfield Paper Co., 200 Mather inc.
FALL RIVER. Globe Yarn Mill, 300 Mather.
Hargrave Mills, 600 Standard inc.
Cornelia Mills, 800 Thomson-Houston.
Dubois Lithographic Co., 50 Mather inc.
George F. Mellen, 600 Mather inc.
King Philip Mill, 300 Mather inc.
Border City Mills, 600 Mather inc.
Ames Printing and Dyeing Co., 632 Edison inc.
Fall River Bleachery, 225 Edison inc.
Barnaby Mfg. Co., Thomson-Houston.
Shove Mills, 20 United States.
Bourne Mills, 750 Edison inc.
Connecticut, 375 Edison inc.
Davol Mills, 525 Edison inc.
Flint Mills, 1,050 Edison inc.
Laurel Lake Mills, 600 Edison inc.
Montaunk Mills, 150 Edison inc.
Seaconnet Mill, 400 Edison inc.
Globe Yarn Mills, 300 Mather and 400 Westinghouse inc.
Geo. F. Mallen, Hotel, 600 Mather inc.
FITCHBURG. Fitchburg Paper Co., 40 Edison inc.
Parkhill Mfg. Co., Ball.
Cleghorn Mills, 35 Ball.
Fitchburg Worsted Mills, Thomson-Houston.
Hopedale Gingham Mills, Thomson-Houston.
Parker Mills, 35 Ball.
James Phillips, Jr., 65 Brush and Ball.
Fitchburg Railroad Depot, 135 Edison inc.
FLORENCE. Nonotuck Silk Co., 400 Thomson-Houston inc.
FRANKLYN. J. G. Ray City Mills, 150 Thomson-Houston.
Norfolk Woolen Co., 50 Thomson-Houston inc.
Roy Woolen Mills, 250 Thomson-Houston inc.
FORGE VILLAGE. Abbott & Co., 200 Sawyer-Man inc.
FRANKLIN. Snow, Basset & Co., 225 Edison inc.

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Saxon Woolen Mills, 200 Thomson-Houston inc.
GARDNER. Hayward Bros., 600 Thomson-Houston inc.
S. K. Pierce & Son., 100 Ketchum inc.
Heywood Bros., 400 Thomson-Houston inc.
R. L. Bent, Thomson-Houston.
GILBERTVILLE. G. H. Gilbert Mfg. Co., 15 United States.
GRANITEVILLE. Abbott Worsted Mills, 65 Sawyer-Man and 65 Thomson-Houston inc.
GREAT BARRINGTON. Kellogg Terrace, 450 Edison inc.
Wm. Stanley, Jr., 200 Westinghouse inc.
GREENFIELD. B. B. Noyes, 25 Mather inc.
HANOVER. Eugene H. Clapp, 8 Thomson-Houston.
HAVERHILL. Haverhill Paper Co., 75 Mather inc.
Stevens & Co., 600 Edison inc.
HOLYOKE. Parsons Paper Co., 200 Mather inc.
Winona Paper Co., 150 Mather inc.
D. Mackintosh Sons & Co., 300 Mather inc.
Geo R. Dickinson Paper Co., 150 Mather inc.
Sims & Dudley Paper Co., 300 Standard Electric Co. inc.
Germania Mills, 90 Edison inc.
Merrick Thread Co., 1,160 Edison inc.
Albion Paper Co., 225 Edison inc.
Chemical Paper Co., 225 Edison inc.
Franklin Paper Co., 75 Edison inc.
Holyoke Envelope Co., 300 Edison inc.
Massasoit Paper Co.. 150 Edison inc.
Riverside Paper Co., 150 Edison inc.
Wauregan Paper Co., 115 Edison inc.
Whiting Paper Co., 150 Edison and 250 Mather inc.
Hadley & Co., 45 United States.
HOOSAC TUNNEL. Glen Pulp and Paper Co., 40 Edison inc.
Fitchburg R. R., 1,950 Westinghouse inc.
HOPEDALE. Hopedale Elastic Fibre Co., 400 Thomson-Houston inc.
HULL. Hotel Pemberton, 20 United States.
HYDE PARK. Tileston & Hollingsworth, 75 Edison and 300 Standard inc.
LAWRENCE. Atlantic Cotton Mill, 45 Waterhouse and 122 Westinghouse arc.
Merrimac Paper Co., 100 Mather inc.
Pacific Mills, 2,500 United States inc.
Washington Mills, 250 American, 600 United States inc. and 50 Thomson-Houston arc.
Arlington Mills, 450 American and 1,200 Edison inc
Pemberton Mills, 900 Edison inc.
Lawrence Line Co., 50 Thomson-Houston inc.
LEICESTER. J. & J. Murdock (two residences and mills), 50 Sawyer-Man, Storage inc.
LEOMINSTER. Wachusett Shirt Co., 300 Mather inc.
Valphey & Anthony, 150 Thomson-Houston inc.
LITTLETON. Conant, Houghton & Co., 115 Edison inc.
LOWELL. Merrimack Mfg. Co., 25 Fuller and 1,350 United States inc. and 45 Thomson-Houston arc.
Boott Mill, 1,250 United States inc.
Lowell Mfg. Co., 1,350 United States inc.
J. C. Ayers & Co., 75 Edison inc.
W. H. Carter, 80 Edison inc.
Massachusetts Cotton Mills, 600 Edison inc.
Tremont and Suffolk Mills, 115 Edison inc.
C. I. Hood & Co., 188 Sawyer-Man inc. and 400 Thomson-Houston inc.
LUDLOW. Ludlow Mfg. Co., 75 Mather inc.
U. R. & A. H. Jones, 200 Thomson-Houston inc.
MALDEN. Boston Rubber Shoe Co., 10 United States and 2,700 Edison inc.
Wadsworth, Howland & Co., Thomson-Houston inc.
Malden Construction Co., Thomson-Houston.
John Cochrane, Jr., 150 Edison inc.
G. K. Goulding, 40 Edison inc.
Medford Carpet Co., 300 Edison inc.
MARLBORO. John Frye, 400 Thomson-Houston inc.
MANSFIELD. Rumsey Bros., 300 Mather inc.
MEDFIELD. Searle, Dailey & Co., 600 Thomson-Houston inc.

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MEDFORD. Wainwright Mfg. Co., 200 Thomson-Houston inc.
MEDWAY. Sanford Woolen Mills, 100 Thomson-Houston inc.
MILLBURG. C. D. Morse & Co., 100 Thomson-Houston inc.
MILLVILLE. Woonsocket Rubber Co., 1,350 Edison inc.
MITTINEAGUE. Agawam Paper Co., 250 Mather inc.
NANTASKET BEACH. Nantasket Beach Hotel, 27 Brush.
NEW BEDFORD. New Bedford Mfg. Co., 250 Edison inc.
Wamsutta Mills, 1,125 Edison and 400 Thomson-Houston inc.
Green & Wood, 40 Edison inc.
Clark's Cove Guana Co., 18 Ball arc.
Bennet Mfg. Co., 800 Thomson-Houston inc.
Thayer & Judd Paraffine Co., 100 Sawyer-Man inc.
New Bedford Cordage Co., 300 Edison inc.
New Bedford Mfg., 600 Edison inc.
Howland Mills, 500 Edison and 650 Mather inc.
Greene & Wood Saw Mill, 70 Edison inc.
City Mfg Co., 300 Edison inc.
Grinnell Mills, 1,200 Edison inc.
Acushnet Mills, 550 Edison inc.
NEWBURYPORT. Burley & Usher, 200 Standard inc.
NEWTON. Nonantum Worsted Co., 800 Edison inc.
J. N. Keller, Storage.
NEPONSET. Putnam Nail Works, 400 Thomson-Houston inc.
NEWTON UPPER FALLS. Phipps & Train, 300 Thomson-Houston inc.
NORTH ADAMS. Arnold Print Works, 825 Edison inc.
Freman Mfg. Co., 9 Thomson-Houston.
Greylock Mills, 15 United States.
Johnson Mfg. Co., Thomson-Houston and Fuller.
NORFOLK Norfolk Woolen Co., 50 Thomson-Houston inc.
NORTHAMPTON. Belding Bros., 150 Sawyer-Man inc.
NORTH BILLERICA. Faulkner Mfg. Co., 450 Edison inc.
NORTH EASTON. W. H. Ames, Storage.
NORTH GRAFTON. J. S. Nelson & Sons, 550 Edison inc.
NORTH WEYMOUTH. Bradley Fertilizer Co., 300 Edison inc.
ORANGE. New Home Sewing Machine Co., 70 Westinghouse arc.
Chase Turbine Mfg. Co., 200 Standard inc.
PALMER. Palmer Carpet Co., 75 Mather inc.
PEABODY. Upton Glue Factory, 150 Edison inc.
J. B. Thomes, 115 Edison inc.
PITTSFIELD. Tillotson & Power, 250 Thomson-Houston inc.
Cheshire Shoe Mfg. Co., 200 Mather inc.
L. Pomeroy & Sons, 200 Thomson-Houston inc.
PLYMOUTH. Plymouth Cordage Co., 30 United States and 225 Edison inc.
Godfrey Packet Co., 25 Ball.
Loring & Parks, 18 Thomson-Houston.
READING. Chauncey Rubber Co., 50 Edison inc.
Bradley Fabric Co., 50 Thomson-Houston inc.
Mayall Rubber Co., 150 Edison inc.
Metropolitan Rubber Co., 180 Edison inc.
ROXBURY. G. F. Burkhart, brewery, Storage.
SALEM. Naumkeag Mills, 750 Edison inc.
George Newcomb, Ball.
Locke Bros., 200 Thomson-Houston inc.
SALMON FALLS. Fairfield Paper Co., 150 Mather inc.
SAUGUS. A. A. Scott, Storage.
SPENCER. Isaac Prouty & Co., 1,200 Standard.
SPRINGFIELD. Morgan Envelope Co., 400 Mather and 200 Thomson-Houston inc.
Morgan Envelope Co., 110 Sawyer-Man.
P. P. Kellogg & Co., 300 Edison inc.
Springfield "Republican," 50 Mather inc.
Hotel Hamilton, 3,200 Edison inc.
Springfield Foundry, 200 Thomson-Houston inc.
SOUTHBORO. J. M. Sears, Storage.
SOUTH BRAINTREE. Hollingsworth & Whitney, 270 Edison inc.
SOUTHBRIDGE. Columbian Mills, 100 Edison inc.

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American Optical Co., 150 Thomson-Houston arc.
SOUTH FRAMINGHAM. State Reformatory, 320 Mather inc.
Para Rubber Shoe Co., 950 Brush inc. and 19 Arnoux-H.
H. A. Marston & Co., 200 Thomson-Houston inc.
SOUTH HADLEY FALLS. Hampshire Paper Co., 75 Mather inc.
Carew Mfg. Co., 10 American arc and 50 Westinghouse inc.
SOUTH WILMINGTON. Merrimac Chemical Co., 30 Sawyer-Man and 50 Thomson-Houston inc.
TAUNTON. Reed & Barton, Storage.
Cohannet Mills, Brush and 250 Thomson-Houston inc.
Whittenton Mfg. Co.
Mason Machine Works, 100 Thomson-Houston inc.
TEWKSBURY. Tewksbury Almshouse, 500 Mather and 100 Thomson-Houston inc.
TURNER'S FALLS. Montague Falls, 259 Sawyer-Man and 300 Thomson-Houston inc.
Turner's Falls Paper Co., 75 Sawyer-Man inc.
UXBRIDGE. Calumet Woolen Co., 500 Brush inc.
WALTHAM. American Waltham Watch Co., 2,000 Mather inc.
School for Feeble Minded Women, 126 Westinghouse inc.
Boston Mfg. Co., 700 United States inc.
WARE. G. H. Gilbert Mfg. Co., 600 Edison inc.
Brown Lumber Co., 10 United States.
WARREN. Knowles Steam Pump Works, 16 Thomson-Houston.
Sayles & Jenks, 50 Thomson-Houston arc.
Geo. F. Blake Mfg. Co., 15 Thomson-Houston arc.
WATERTOWN. Hollingsworth & Whitney, 22 Edison inc.
Harvard Mills Co., 50 Sawyer-Man inc.
WESTBORO. White Cycle Co., 100 Thomson-Houston inc.
WESTFIELD. Crane Bros., 85 Mather inc.
Springdale Paper Co., 75 Mather inc.
William Warren, 50 Mather inc.
H. B. Smith Co., 150 Brush inc.
WEST SPRINGFIELD. Worthy Paper Co., 75 Mather inc.
WEST UPTON. William Knowlton & Sons, 400 Thomson-Houston inc.
WEYMOUTH. F. H. Watson, 100 Thomson-Houston inc.
WHITMAN. Commonwealth Shoe and Leather Co. (Storage), 450 Edison inc.
Brigham Factory, 300 Brush inc.
WHITINSVILLE. Whitin Machine Co., 171 Westinghouse arc.
WINCHENDON. Nelson Mills, 300 Thomson-Houston inc.
WOBURN. Russell Counter Co., 100 Thomson-Houston inc.
N. J. Simonds, 600 Edison inc.
WOLLASTON HEIGHTS. Tubular Rivet Co., 300 Edison inc.
WOODS HOLL. United States Fish Commission, 255 Edison inc.
WORCESTER. Whitcomb Envelope Co., 200 Mather inc.
Cutting & Bishop, 75 Mather inc.
Norton Emery Wheel Co., 75 Mather inc.
Worcester Corset Co., 300 Edison inc.
N. J. Whittall, 40 Edison inc.
Lakeside Mfg. Co., 75 Mather inc.
Ware, Pratt & Co., 10 Fuller and 15 American arc.
Wm. Allen & Sons, 4 Fuller.
Washburn & Moen Mfg. Co., 46 Brush and 150 Edison inc.
Washburn Iron Co., Fuller.
Worcester Steel Works, Thomson-Houston.
Graton, Knight Mfg. Co., 250 Thomson-Houston inc.
W. H. Barnes, 250 Thomson-Houston inc.
T. K. Earl Mfg. Co., 200 Thomson-Houston inc.
Knowles Loom Works, 45 Thomson-Houston and 400 Mather inc.
Pakachoag Mills, 160 Edison inc.
F. E. Reid, 400 Edison inc.
Worcester Carpet Co., 340 Brush inc.

MICHIGAN.

ALBION. Albion Milling Co., Thomson-Houston.
ANN ARBOR. Junius E. Beal, 200 Edison inc.

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Cornwall Bros., 85 Edison inc.
J. H. Wendall, 40 Van Depoele.
AU SABLE. J. C. Gramm, 10 United States.
Au Sable Lumber Co., Brush.
J. E. Potts Salt and Lumber Co., 5 United States.
BATTLE CREEK. Medical and Surgical Sanitarium, 200 Edison inc.
BAY CITY. Ross Bradley Co., 80 Ind. Jenney inc.
Bonfield & Co., 150 Thomson-Houston inc.
BAY MILLS. Hall & Buel, 75 Thomson-Houston inc.
BELDING. Richardson Silk Co., 200 Sawyer-Man and 200 Thomson-Houston inc.
BIG RAPIDS. C. G. Hudnutt, Thomson-Houston, Ball.
CADILLAC. Cobbs, Mitchell & Co., 5 Westinghouse arc.
William McAdie.
CALUMET. Calumet and Hecla Mining Co , 18 Thomson-Houston.
Tamarack Copper Mining Co., 20 Ball.
CENTREVILLE. Michigan Centreville Knitting Mills, 100 Edison inc.
CHAMPION. Champion Iron Mine, Western.
CHEBOYGAN. W. & A. McArthur, Thomson-Houston.
COLUMBIAVILLE. Wm. Peler, 300 Ind. Jenny inc.
CHIPPEWA LAKE. Chippewa Lumber Co., 50 Sawyer-Man inc.
DALLAS. Dallas "Herald," 62 Edison inc.
Dallas "News," 100 Edison inc.
Empire Mills, 35 Edison inc.
Dallas Cotton and Woolen Mills, 300 Edison inc.
DOLLAR BAY. Tamarack-Osceola Copper Mfg. Co.
DOWAGIAC. R. D. Beckwith, 100 Edison inc.
P. D. Beckwith, 100 Edison inc.
DETROIT. The Wayne, 4' 0 Edison inc.
Jno. R. Markle, 200 Edison inc.
Metcalf Bros. & Co., 300 Edison inc.
Markle Eng. Co., 750 Edison inc.
Water Works Building, 100 Thomson-Houston inc.
Detroit "Free Press," 5 United States and 100 Edison inc.
Detroit "Tribune," 150 Edison inc.
Dearborn Retreat, 300 Edison inc.
St. Joseph's Retreat, 300 Edison inc.
Fulton Iron Works, 50 Edison inc.
Baugh Steam Forge Co., 60 Edison inc.
C. D. Widman, 100 Edison inc.
Steamer "Mascotte" (Detroit Dry Dock), 50 Edison inc.
Whitney Organ Co., 150 Brush inc.
Casino Building, Belle Isle, 150 Brush inc.
Steamer "City of Cleveland," 750 Brush inc.
J. E. Wyman, Van Depoele.
Metcalf Bros., Storage.
James McMillan, Storage.
Baugh Steam Forge Co., Storage.
Newbury & McMillan, Storage.
Fulton Iron and Engine Works, Storage.
Detroit Lubricator Co., Van Depoele.
Newcomb, Endicott & Co., 50 American arc.
Farrand & Votey Organ Co., Accumulator.
Detroit Car Wheel Co., 54 United States.
Griffin Car Wheel Co., 10 Brush.
Henry C. Hart, Excelsior.
Mabley & Co., 60 United States.
Michigan Car Works, United States.
Michigan Central Railway, Brush.
Peninsular Car Works, United States.
Panorama "Battle of Gettysburg," 50 Thomson-Houston.
DEER PARK. Cook & Wilson, 12 Thomson-Houston arc.
EAGLE MILLS. F. W. Reed & Co., Western.
EATON RAPIDS. C. S. & E. E. Horner, Thomson-Houston.
EAST SAGINAW. Wickes Bros., 15 Schuyler arc.
Penoyar Bros., 15 Schuyler arc.
Dr. Franz A. Goerss, Accumulator.
E. A. Gyde, 35 Thomson-Houston inc.
L. F. Bartlett, 18 Thomson-Houston arc.
ESCANABA. Chicago and N. W. Railway Co.'s Docks, Thomson-Houston.
FRUITPORT. Spring Lake Iron Co., 10 Sperry arc.
GRAND RAPIDS. Kent Furniture Co., 200 United States inc.
Tower Clothing Co., 30 Thomson-Houston arc.
Soldiers' Home, 600 Mather inc.

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GRAYLING. Salling, Hanson & Co., 20 Ind. Jenney arc.
HANCOCK. Quincy Mining Co., 25 Thomson-Houston arc.
HOUGHTON. S. E. Cleaves & Son, Western.
Tamarack Copper Co., Ball.
INTERIOR. Interior Lumber Co., Brush.
IVOORSE. Saliotte & Raupp, 75 Edison inc.
IRON MOUNTAIN. Chapan Mining Co., 30 Brush.
ISHPEMIMG. Cleveland Iron Mining Co., Brush.
Pittsburgh and Lake Angeine Mining Co., 30 Western arc.
Lake Superior Iron Co., 16 Brush.
JACKSON. Michigan State Prison, 805 Edison inc.
George T. Smith, 100 Ind. Jenney inc.
JENNINGS. Mitchell Bros. & Murphy, 10 Westinghouse arc.
JONESVILLE. Jonesville Cotton Mill Co., 24 Ft. Wayne Jenney.
KALAMAZOO. Kalamazoo Paper Co., 85 Edison inc.
KALKASKA. Smith Lumber Co., 30 Thomson-Houston arc.
LAKE LINDEN. Calumet and Hecla Smelting Co., 75 Thomson-Houston inc.
L'ANSE. Hebard & Thurber Lumber Co., 10 United States.
Charles Hobard & Sons, 10 United States.
LANSING. Michigan School for the Blind, 300 Edison inc.
E. Bement & Sons, 20 Sperry arc.
Lansing Iron Works, Thomson-Houston.
LAPEER. Roberts & Meriam, 20 arc and 200 Ind. Jenney inc.
LAC LA BELLE. Conglomerate Mining Co., 100 Edison inc.
LUDINGTON. F. W. Horns, 100 Mather inc.
O. N. Taylor, 60 Edison inc.
Antoine E. Cartier, 168 Edison inc.
Ludington Salt and Lumber Co., 45 Excelsior.
Butters & Peters, 5 United States.
MACKINAC ISLAND. Plank's Hotel, 20 Sperry arc.
MANISTEE. John Bowie, 60 Edison inc.
Buckley & Douglass, 10 arc and 200 Ind. Jenney inc.
Engleman & Citzengen, Brush.
MARSHALL. John Hurd, 25 Brush inc.
MARQUETTE. W. S. Mallory, 75 Edison inc.
Iron Bay Mfg. Co., 18 Ball.
Geo. L. Curtis, Van Depoele.
MENOMINEE. Menominee Bayshore Lumber Co., 100 Sawyer-Man inc.
Doherty & Baar's Lumber Co., 100 Sawyer-Man inc.
The Kirby Carpenter Co., 80 Brush.
Ludington, Wells & Van Shaich Co., 80 Brush.
METROPOLITAN. Metropolitan Lumber Co., Ft. Wayne Jenney.
MUSKEGON. Hitchcock & Mernan, 25 Edison inc.
Ryerson, Hills & Co., 100 Edison inc.
Barker & Akely Mill, 56 Sawyer-Man inc.
The Ducey Lumber Co., 58 Sawyer-Man inc.
Michigan Shingle Co., 90 Sawyer-Man inc.
F. Alberts & Co., 50 Mather inc.
D. A. Blodgett, 75 Edison inc.
Davis Lumber Co., 2 Brush.
MOUNT CLEMENS. R. O. Meldrum & Sons, 50 Thomson-Houston inc.
MONCELONA. Oval Wood Dish Co., 30 Thomson-Houston arc.
NEGAUNEE. Iron Cliff Co., Western.
NEWAYGO. D. P. Clay & Co., Fuller.
NEWBURY. Vulcan Furnace Co., 100 Edison inc.
NILES. Ohio Paper Co., 50 Edison inc.
OPECHEE. Tamarack Mining Co., Ball.
OSCEOLA. Osceola Stamp Mills, Western.
OSCODA. Parks, Woods & Co., 18 Brush.
OTSEGO. Bardeen Paper Co., 150 Mather inc.
PETOSKEY. Rose & Powell, 200 Edison inc.
PORT HURON. Michigan Sulphite Co., 115 Edison inc.
Grand Trunk R. R. Shops, 5 United States.
REPUBLIC. Republic Iron Co.
ROSCOMMON. Alpine Lumber Co., 15 Schuyler arc and 25 inc.
SAULT STE. MARIE. U. S. Government Canal, 10 Brush.

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ST. CLAIR. Chicago Grand Trunk Railroad, 150 Edison inc.
Chicago and Northwest Railroad Station and Offices, 630 Edison inc.
Oakland Hotel, 85 Ball arc.
SAGINAW. Saginaw Mfg. Co., 250 Thomson-Houston inc.
SHEBOYGAN. Sheboygan Lumber Co., 4 Thomson-Houston arc.
Theo. Zschetzsche & Son, 150 Thomson-Houston inc.
SO. MANISTIQUE. Hall & Buell, 75 Thomson-Houston inc.
TALLMAN. Butters, Peters & Co., 75 Edison inc.
TAYLOR. John Craig, 40 Edison inc.
TRAVERSE CITY. Northern Asylum for the Insane, 800 Edison inc.
TRENTON. Yacht "Vita" (Mr. Fabyan), Storage.
Launch, J. Craig & Sons, Storage.
VASSAR. Vassar Woolen Mill Co., 30 Ind. Jenney arc and 30 inc.
WAKEFIELD. Washburn Mining and Milling Co., Van Depoele.
WATERLO. Stevens Lumber Co., 30 Thomson-Houston inc.
WEST TROY JUNCTION. Brookings Lumber Co., 100 Westinghouse inc.
WYANDOTTE. Eureka Iron and Steel Co., 20 Van Depoele.
YPSILANTI. Ypsilanti Paper Co., 120 Edison inc.

MINNESOTA.

ALBERT LEA. C. H. Farnsworth, 150 Thomson-Houston inc.
CLOQUET. Cloquet Lumber Co., 8 Ft. Wayne Jenney.
COMO. St. Paul and Northern Pacific Railroad Co., 400 Edison inc.
DULUTH. Duluth Hotel, 800 Mather inc.
Hubbard & Vincent.
Minnesota Iron Co., 20 Brush.
Williams & Upham, 1 United States.
Imperial Roller Mills, 250 Mather inc.
Hotel St. Louis, 550 Thomson-Houston inc.
FAIRBAULT. St. Mary's Seminary, 500 Edison inc.
A. L. Hill, 100 Thomson-Houston inc.
LONDON. Minnesota Iron Co., 20 Brush.
MANKATO. F. L. Watters, Thomson-Houston.
MARINE. Walker, Judd & Veazie, 4 United States.
MINNEAPOLIS. Peteler Portable Railway Mfg. Co., 25 Mather inc.
Washburn, Crosby & Co., 600 United States inc.
Syndicate Block and Grand Opera House, 1,200 United States.
Minnesota State University, 100 Edison inc.
Ingram, Olsen & Co., 180 Edison inc.
Lillibridge, 108 Edison inc.
Minnesota Loan and Trust Co., 300 Edison inc.
Segelbaum Brothers, 209 Edison inc.
Wyman, Mullin & Co., 160 Edison inc.
Charles A. Pillsbury & Co., 650 Edison inc.
Bray & Robinson, 100 Edison inc.
Carver, Young & Clarke, 50 Edison inc.
Minneapolis and Pacific Railroad Co., 130 Edison inc.
Nelson, Tenney & Co., 90 Edison inc.
R. L. Stillman, 499 Thomson-Houston inc.
S. C. Hall Lumber Co., 60 Sawyer-Man inc.
Pettit, Christian & Co., 125 Sawyer-Man inc.
Shotwell, Clerihew & Lothman, 400 Thomson-Houston.
De Soto Lumber Co., 200 Thomson-Houston inc.
Columbia Mills, 75 Thomson-Houston inc.
Galaxy Mills, 100 Thomson-Houston.
Crown Mills, 150 Thomson-Houston.
F. L. Mortimer, 600 Mather inc.
Gates Brothers, Hennepin Avenue Thetre, 600 Mather inc.
Diamond Mill Co., 150 Mather inc.
People's Theater, 520 Edison inc.
Central Park Terrace, 290 Edison inc.
S. G. Cooke & Co., 350 Edison inc.
C. C. Dennis & Co., 50 Edison inc.
William Donaldson, 300 Edison inc.
B. F. Nelson, 50 Edison inc.
Newman, Warner & Elfelt, 90 Edison inc.
Nicollet House, 300 Brush inc.
Bardwell, Robinson & Co., 150 Brush inc.
Minneapolis City Hall, 300 Brush inc.
Washburn Mill Co., 75 Brush inc.

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R. L. Berglund, Ball.
William F. Brown, Ball.
S. E. Olsen & Co., Edison.
Hawley, Goodrow & Co., 6 United States.
Northwestern Panorama Co., 80 Ft. Wayne Jenney.
A. H. Bode, 250 Mather inc.
Holmes Hotel, 250 Thomson-Houston inc.
J. E. Keelyer, 160 Thomson-Houston.
Hall & Ducey, 60 Thomson-Houston inc.
Christian Bros. Mills Co., 125 Thomson-Houston inc.
Minneapolis Flour Co., 200 Thomson-Houston inc.

MONTICELLO. W. F. Brown, Storage.
Nickerson Lumber Co., Ball.

MOOREHEAD. H. A. Bruns, Van Depoele.

OWATONNA. State Public School, 48 Edison inc.

RED WING. Boxrud Brothers, 100 Thomson-Houston inc.

SOUTH ST. PAUL. Eureka Improvement Co., Thomson-Houston.

ST. CLOUD. George Tileston, 100 Thomson-Houston inc.
Tileston & Co., 50 Thomson-Houston inc.

STILLWATER. Minnesota State Prison, 375 United States inc.
N. W. Mfg. and Car Co., 250 Edison inc
Seymour, Sabine & Co., 120 Edison inc.
Diamond Joe Line, 7 Excelsior.
A. T. Jenks, 6 Excelsior.
Knapp Brothers & Co., 11 Excelsior.
Steamer "D. Bronson," 1 United States.

ST. PAUL. Lindekes, Warner & Schurmeier, 510 Edison inc.
Lindekes, Warner & Schurmeier, 24 Fuller
Foot, Schultze & Co., 55 Edison inc.
Andrew Schoch, 3 Edison inc.
Wm. Lindeke, 3 Edison inc.
C. Gotzian & Co., 300 Mather inc.
St. Paul Knitting Works, 8 Edison inc.
H. P. Kelly Mercantile Co., 110 Thomson-Houston inc.
Portland Block, 300 Thomson-Houston inc.
Farwell, Osmond & Kirk, 150 Thomson-Houston inc.
Economy Steam Heat Co., Western.
C. M. & St. Paul Railway, 20 United States.
Joseph McKay & Co., 5 United States.
F. P. Blair, 500 Mather inc.
Bohn Mfg. Co., 250 Mather.
State Capitol, 600 Mather.
St. Paul, Minneapolis and Manitoba Railway, 600 Mather inc.
Aberdeen Flats, 800 Mather inc.
"Pioneer Press" Building, 2,000 Mather inc.
Noyes Bros. & Cutler, 96 Edison inc.
A. Schoch, 50 Edison inc.
John Wann, 100 Edison inc.
St. Paul Knitting Works, 100 Edison inc.
Lindeke Roller Mills, 100 Edison inc.
Northern Pacific Car Co., 200 Edison inc.
Drake Block, 300 Hawkeye inc.
Endicott Building, 2,150 Mather inc.
St. Paul Foundry Co., Thomson-Houston arc.
Minnesota Shoe Co., 100 Edison inc.

TERREBONNE. H. Moody & Sons, Agricultural Implements, 15 Edison inc.

WINONA. Western Indurated Fibre Co., 150 Mather inc.
Winona Mills, 70 Edison inc.
Chicago and Northwestern Railroad Shops, 316 Edison inc.
L. C. Porter Milling Co., Ball.
Winona Lumber Co., 400 Westinghouse inc.
Steamer "City of Winona," Van Depoele.

MISSISSIPPI.

CLARKSDALE. Sunflower Oil Co., 40 Edison inc.

COLUMBUS. Tombigbee Cotton Mills, inc.

GREENVILLE. Greenville Oil Works, 100 Edison inc.

MERIDIAN. Meridian Oil Works, 100 Edison inc.

NATCHEZ. Natchez Cotton Co., 250 United States inc.
Roumania Opera House, 195 Edison inc.
Thomas Reber, 50 Edison inc.
Natchez and Vicksburg Packet Co., Ft. Wayne Jenney.
Steamer "Golden," 4 Ft. Wayne Jenney,

VICKSBURG. D. W. Floweree Ice Co., 2 Brush arc.
Steamer "Lake Washington," 2 arc, 1 Headlight, Thomson-Houston.

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Steamer "R. L. Cobb," 2 arc, 1 Headlight, Thomson-Houston.
Steamer "Sunbeam," 2 arc, 1 Headlight, Brush.
Steamer "Addie Faison," 2 arc, 1 Headlight, Brush.
Steamer "Northern Pacific," 4 Ft. Wayne Jenney.
Vicksburg Wharfboat and Elevator Co., Ft. Wayne Jenney.
WESSON. Mississippi Mills, Brush.
YAZOO. Yazoo Oil Works, 40 Edison inc.

MISSOURI.

BASIN MILL. James Walker & Co., 50 Thomson-Houston inc.
BONNE TERRE. St. Joseph Lead Co., 600 Edison and Ball inc.
CARONDELET. South St. Louis Foundry Co., 10 American arc.
CHILLICOTHE. Graham & Son.
CLAY COUNTY. Excelsior Springs Hotel, 600 Edison inc.
COLUMBIA. University of Missouri, 810 Edison inc.
DE SOTO. Pecaut & Racine, 200 Edison inc.
Missouri Pacific Railroad Shops, Heisler.
EXCELSIOR SPRINGS. Excelsior Springs Co., 800 Thomson-Houston inc. and 50 arc.
FULTON. State Insane Asylum, 450 United States inc.
Deaf and Dumb Institution, 326 Edison inc.
JEFFERSON CITY. Missouri State Penitentiary, 80 Excelsior.
JOPLIN. W. G. Sergeant, Thomson-Houston.
KANSAS CITY. Armour Packing Co., 120 Brush and 1,200 Ft. Wayne Jenney.
Browning, King & Co., Excelsior.
Broadway Panorama Co., 35 Ft. Wayne Jenney.
Kansas City Smelting and Refining Co., 80 Excelsior.
Nelson & Weiler, 20 United States.
Metropolitan Street Railway Co., 20 Ft. Wayne Jenney and 100 Edison inc.
G. Y. Smith & Co., 31 Brush.
J. H. Sass, 15 Excelsior.
Swift & Co., 600 Ft. Wayne Jenney.
Geo. Fowler Packing Co., 300 United States.
Jacob Dold, 10 United States and 750 inc.
Nelson Building, 750 United States inc.
Kansas City Cable Co., 50 Thomson-Houston arc.
O. W. Ditsch, Thomson-Houston inc.
Doggett Dry Goods Co., 60 Brush arc and 215 inc.
Bonaventura Hotel, 400 Edison inc.
Centropolis Hotel, 600 Edison inc.
Coates House, 800 Edison inc.
Kansas City Desicating Co., 25 Royal Electric inc.
Col. W. R. Nelson, residence, 225 Edison inc.
Kansas City "Times," 551 Edison inc.
Richardson & Heines, 50 Edison inc.
Kansas City Bridge and Iron Co., 50 Edison inc.
Grand Avenue Railroad, 150 Edison inc.
Grand Missouri Hotel, 325 Thomson-Houston inc.
Grand Opera House, 800 Thomson-Houston inc.
Beaham, Moffit & Co., 50 Thomson-Houston inc.
Ridge & Denny, 500 Westinghouse inc.
Wittich & Penfield, Storage.
Kansas, Ft. Scott and Gulf Railroad Shops, Storage.
Reed Spring Hotel, 350 Hawkeye.
LAMAR. C. B. Rhodes, 20 Sperry arc.
RICH HILL. H. Loeb & Bro., 30 Sperry arc.
SNOWHILL. Collins, Vincent & Robbins, 300 Edison inc.
SPRINGFIELD. Rogers & Ramsey, 18 Thomson-Houston arc.
ST. CHARLES. St. Charles Car Co., 50 Edison inc., 15 American arc, 30 Mather.
ST. JOSEPH. St. Joseph Court House, 200 Mather inc.
W. C. Stewart, 50 Edison inc.
R. T. Davis Mill Co., 30 Ind. Jenney inc.
St. Joseph Depot Co., 25 Brush.
ST. LOUIS. Bemis & Co., 20 Sperry arc.
Chase & Co., 20 Sperry arc.
St. Louis Refrigerator and Wooden Gutter Co., Ball.
St. Louis Stamping Co., Ball.
Anchor Line Store, Brush.

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William Barr Dry Goods Co., 110 Brush.
Browning, King & Co., 25 Excelsior.
George D. Barnard & Co., 20 United States.
Burwell, Comstock & Co., 36 United States.
D. Crawford & Co., 60 United States.
Plate Glass Co., Brush.
Thomas Coffin & Co., Heisler.
S. C. Davis & Co., 60 Brush.
East St. Louis Elevator Co., Heisler.
J. F. Ellison, Ft. Wayne Jenney.
Famous Shoe and Clothing House.
Fulton Iron Works, Heisler.
August Gast & Co., 3 Fuller.
Government Buildings, 30 United States.
F. W. Humphrey & Co., 17 Brush.
J. J. Hoyt, 5 United States.
Laclede Hotel, 18 Brush.
Missouri Car and Foundry Co., 48 Ft. Wayne Jenney.
Missouri Furnace Co., 10 United States.
Missouri Pacific Railway.
Mosser's Hotel, Brush.
B. Nugent & Bro., 10 Thomson-Houston arc and 300 inc.
People's Theatre, Heisler.
St. Louis Ore and Steel Co., 60 Brush.
Shickle, Harrison & Howard, 25 Thomson-Houston and Hawkeye.
St. Louis Cable and W. Railroad, 75 Excelsior.
Steamer "Grand Republic," Ft. Wayne Jenney.
Steamer "Hudson," 4 Ft. Wayne Jenney.
Steamer "Will S. Hays," 3 Ft. Wayne Jenney.
Steamer "Charles Meriam," Thomson-Houston.
Trorlicht, Duncker & Rennard, 23 Brush.
J. Wangler Boiler Works, Heisler.
Polytechnic Institute, 450 United States inc.
Mercantile Library, 1,000 Edison inc.
Beer's Hotel, 650 Edison inc.
Baldwin Billiard Hall Co., 200 Edison inc.
Lindell Hotel, 30 Excelsior and 350 Edison inc.
Exposition Music Hall, 4,000 Edison inc.
Grand Opera House, Olympic Theatre, 1,050 Edison inc.
Pope's Theatre, 425 Edison inc.
Bank of Commerce, 450 Edison inc.
A. Frank & Sons, 100 Edison inc.
St. Louis "Republic," 300 Thomson-Houston inc.
City of St. Louis, 20 Thomson-Houston arc.
Sonnenfield Millinery Co., 35 Western arc and 150 inc.
Standard Stamping Co., 250 Thomson-Houston inc.
Steamer "Cherokee," 35 Brush inc.
Woodward & Tiernan Printing Co., 10 American arc.
J. Kennard & Sons Carpet Co., 37 Thomson-Houston arc.
St. Louis Railway Co., 30 Thomson-Houston inc. and 6 arc.
Ridenour, Baker & Co., 70 Edison inc.
Walker, Eli, Dry Goods Co., 300 Edison inc.
"Globe-Democrat," 650 Edison inc.
"Post-Dispatch," 300 Edison inc.
Westliche Post, 125 Edison inc.
Woodward & Tiernan, 300 Edison inc.
St. Louis Sugar Refinery, 328 Edison inc.
Anchor Milling Co., 80 Edison inc.
Camp Spring Milling Co., 25 Edison inc.
J. C. Kauffman, 100 Edison inc.
Southern Flour Mill, 75 Edison inc.
E. O. Stannard, 31 Edison inc.
Victoria Flour Mills Co., 25 Edison inc.
Anheuser-Busch Brewery Association, 1,200 Edison inc.
N. K. Fairbanks & Co., 370 Edison inc.
Meyer Bros. Drug Store, 275 Edison inc.
Diederich Furniture Co., 25 Edison inc.
Guernsey Furniture Co., 600 Edison inc.
Bemis Bros. Bag Co., 150 Edison inc.
Blackmer & Post, 25 Edison inc.
J. H. Conrades Chair Co., 150 Edison inc.
Hamilton Brown Shoe Co., 375 Edison inc.
Mermod & Jaccard Jewelry Co., 450 Edison inc.
Pickel Marble and Granite Co., 75 Edison inc.
Southern Hotel, 300 Thomson-Houston inc. and 50 arc.
Samuel Cupples Wooden Ware Co., 300 Brush inc.
Richardson Drug Co., 300 Westinghouse inc.
John H. Spinning, 200 Westinghouse inc.

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Quick Meal Stove Co., 200 Westinghouse inc.
Choutena, 50 Westinghouse inc.
St. Louis Club, 300 Westinghouse inc.
Citizens' Railway Co., Storage.
Bell Telephone Co., Storage.
Tudor Iron Works, 25 American arc.
Broderick & Banscom Rope Co., 15 American arc.
Liggett & Myers, 200 Western inc.

ST. JOSEPH. Tootles, Hosea & Co., 800 Thomson-Houston inc.

WOODLAND. M. A. Seed, Dry Plates Works, 200 United States inc.

MONTANA.

ANACONDA. Union Pacific Railway Co., 150 Brush inc.
Anaconda Smelting Works, 40 United States.

BATTLE CITY. Montana and Utah Mining Co., 1 United States.

BOULDER. Elkhorn Mining Co., 200 Thomson-Houston inc.

BUTTE. Parrot Silver and Copper Co., 100 Thomson-Houston inc.
Blue Bird Mining Co., 10 United States.

CABLE. Cable Co., 6 United States.

FORT BENTON. Geo. F. Woolston, Western.
Water Works Co., Western.

GREAT FALLS. Boston & Montana Mining Co., 650 Thomson-Houston inc.

GRANITE. Granite Mining Co., 100 Thomson-Houston inc.

HELENA. Boston & Montana Gold Mine Co., 15 United States.
Gregory Consolidated Mining Co., 10 United States.

MARYSVILLE. The Montana Co., 6 Thomson-Houston arc.

PHILLIPSBURG. Granite Mountain Mining Co., 75 Thomson-Houston inc.

WALKERVILLE. Alice Gold and Silver Mining Co., Brush.

WICKES. Larsen, Keefe & Co., 8 Thomson-Houston arc.

NEBRASKA.

BEATRICE. Dr. J. T. Armstrong, 150 Mather inc.

GRAND ISLAND. J. G. Schaupp & Son., 26 Edison inc.

HASTINGS. Inhoff & Johnson, Thomson-Houston.
State Insane Asylum, 200 Thomson-Houston inc.

KEARNEY. State Industrial School, 250 Mather inc.
Kearney Paper Co., 50 Thomson-Houston inc.
Kearney Milling Co., 40 Edison inc.

LINCOLN. Lincoln Paper Co., 25 Mather inc.

NEBRASKA CITY. John D. Neligh, 40 Edison inc.

NORFOLK. Norfolk Hospital for Insane, 750 United States inc.

OMAHA. Ménis Omaha Bag Co., 115 Edison inc.
Paxton House, 500 Edison inc.
"Herald" Publishing Co., 225 Edison inc.
Omaha Bridge Co., 30 Edison inc.
Omaha & Grant Smelting and Refining Co., 300 Edison inc. and 35 Sperry arc.
Nebraska Telephone Co., Accumulator.
C. P. Treat, Thomson-Houston.
Union Pacific Railway system, 1,000 Thomson-Houston inc.
Swift & Co., 600 Ft. Wayne inc.
Omaha "Republican," 20 Thomson-Houston arc.

PAWNEE CITY. E. F. Hempstead, Thomson-Houston.

RULO. T. A. Morrison, 50 Westinghouse inc.

SOUTH OMAHA. Anglo-American Provision Co., 250 Edison inc.
Armour Cudahy Packing Co., 650 Thomson-Houston inc.

NEW HAMPSHIRE.

ACUSHNET. Acushnet Mills, 538 Edison. inc.

BEECHER FALLS. Geo. T. Comins & Co., 100 Thomson-Houston inc.

BERLIN FALLS. Berlin Mills Co., 5 Westinghouse arc.
Glen Mfg. Co., 6 Thomson-Houston arc and 175 Mather inc.
Forest Fibre Co., 4 United States.

BERLIN MILLS. Berlin Mills Co., 250 Standard inc. and 8 United States.

BRISTOL. Train & Smith, 50 Mather inc.

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CLAREMONT. Sugar River Paper, 75 Westinghouse inc.
Freeman & O'Neil, 75 Westinghouse inc.
CONCORD. Concord Railroad, 20 Standard arc.
W. B. Durgin & Son, 200 Thomson-Houston inc.
Republican Press Association, 100 Standard inc.
Hammond & Thurston, 75 Sawyer-Man inc.
DOVER. Cocheco Mfg. Co., 800 Thomson-Houston inc.
ENFIELD. Benjamin Greenbank, 225 Edison inc.
FRANKLIN FALLS. Walter Aiken, 42 Brush arc. and 100 Thomson-Houston inc.
A. W. Nulloway (woolen mills), Whitney inc.
HINSDALE. Haile & Frost Mfg. Co., 100 Thomson-Houston inc.
JAFFREY. Jaffrey Mills, 800 Thomson-Houston inc.
LACONIA. L. F. Busiel, 25 Thomson-Houston inc.
LEBANON. Carter & Rogers, 200 Thomson-Houston inc.
LAKE VILLAGE. J. S. Crane & Co., 100 Thomson-Houston inc.
Whitefield Brown's Lumber Co., 100 Standard inc.
LISBON. Parker & Young, 100 Standard inc.
Carl Mindt, 100 Standard.
MANCHESTER. Amory Mfg. Co., 450 Edison inc.
Manchester Locomotive Works, 80 American arc and Ball.
Amoskeag Mfg. Co., 450 inc. and 700 arc.
H. P. Fancher, 10 Weston arc and 20 inc.
Amoskeag Paper Co., 35 Brush inc.
P. C. Cheney Paper Co., 20 Weston arc.
MILTON. Burley & Usher, 200 Standard inc.
NASHUA. Jackson Mfg. Co., 125 Edison inc.
Nashua Mfg. Co., 125 Edison inc.
Gregg & Son, 150 Edison inc.
Moody, Estabrooke & Andersons, 400 Thomson-Houston inc.
Nashua Card & Glazed Paper Co., 400 Mather inc.
NEW CASTLE. Wentworth Hotel, 18 Thomson-Houston arc.
NORTH CONWAY. Kearsarge House, 145 Thomson-Houston inc.
PETERBORO. J. Noones Sons, 150 Standard inc.
PLYMOUTH. Fibrewood Co., 100 Standard inc.
PORTSMOUTH. Hotel Wentworth, 20 Thomson-Houston arc.
SALMON FALLS. Salmon Falls Mfg Co., 100 Thomson-Houston inc.

NEW JERSEY.

ARLINGTON. Arlington Mfg. Co., 50 Westinghouse inc.
BAYONNE. Bayonne Barrel Co., 250 Edison inc.
Tide Water Oil Co., 50 Thomson-Houston inc.
Lombard-Ayres & Co., 50 Mather inc.
The Ocean Oil Co., 50 Sawyer-Man inc.
BERGEN POINT. Carr & Hobson, 120 Edison inc.
BROWN MILLS. Forest Springs Hotel, 500 United States inc.
BRIDGETOWN. East Lake Woolen Co., 200 Westinghouse inc.
BLOOMFIELD. Thomas Oakes & Co., 100 Loomis inc.
BOONTON. Pelgram & Meyer, 300 Brush inc.
BOUND BROOK. Hartford Comp. Air Pump Co., 40 Edison inc.
BRAKESVILLE. American Forcite Powder Co., 25 Edison inc.
BRIDGETON. Ferracute Machine Co., Van Depoele.
BRISTOL. Star Wooden Mills, United States.
BRUNSWICK. Rutgers College, Accumulator.
CAMDEN. J. H. Dialogue's ship yard, 200 United States inc.
Camden & Atlantic Railroad, 10 United States.
West Jersey Paper Mfg. Co., 46 Cohen.
Spruance & Birkhead, 50 Edison inc.
CAPE MAY. Cape May Point, 10 Thomson-Houston.
Carleton House, 3 Thomson-Houston.

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CENTREVILLE. Lombard, Ayres & Co., 200 Westinghouse inc.
CLAREMONT. Eagle Oil Co., 75 Edison inc.
CONSTABLE HOOK. Oxford Copper and Sulphur Co., 120 Edison inc.
Polar Oil Co., 150 Edison inc.
Standard Oil Co., 75 Edison.
CRANFORD. Essex Felting Mills, 150 Westinghouse inc.
DOVER. Ross & Baker, 250 Sawyer-Man inc.
Donaldson & Uric, 25 Westinghouse inc.
Dover Iron Co., 5 United States.
EAST NEWARK. Peter Hauck, 200 Westinghouse inc.
ELIZABETH. Temple Theatre, 150 Edison inc.
Steam Cordage Co., 300 Edison inc.
ELIZABETHPORT. Samuel Moore & Sons, 150 Edison inc.
Bourne, Scrymser & Co., 75 Edison inc.
Elizabeth Steam Cordage Co., Arnoux-H.
FLORENCE. R. D. Wood & Co., 75 Thomson-Houston inc.
GLOUCESTER FERRY. Steamer "Peerless," 40 Edison inc.
Steamer "Dauntless," 40 Edison inc.
GREENVILLE. St. Paul's Church, 150 Edison inc.
HACKENSACK. Givernaud Bros., 275 Edison inc.
HALEDON. W & J. Sloan, Oldham Mills, 150 Mather inc.
HOBOKEN. Givernaud Bros., 172 Edison inc.
Givernaud Bros. (West Hoboken), 80 Excelsior, 512 Edison inc.
F. J. Otto & Sons, 115 Edison inc.
Stephens Institute of Technology (Storage), 650 Edison and 650 Westinghouse inc.
Hoboken Silk Mills, Thomson-Houston.
Bremen Pier, 45 Excelsior.
HOMESTEAD. Givernaud Bros., 800 Edison inc.
JERSEY CITY. Pennsylvania Railroad Station, 1,000 United States inc.
United States Express Co., 225 Edison inc.
Welden Building, 375 Edison inc.
J. O. Matthiessen & Wiechers, 1,200 Edison inc.
Erie Elevator, 270 Edison inc.
Swift Cold Storage Co., 150 Edison inc.
Central Railroad of New Jersey, 2,000 Edison inc.
Lowenthal & Morganstern, 50 Thomson-Houston inc.
The "Evening Journal" Association, 150 Thomson-Houston inc.
Cockburn Barrow & Machine Co., 200 Excelsior.
Jersey City Steel Co., Fuller.
Ross & Sanford.
Pennsylvania Railroad, Brush.
J. R. Thompson & Co., Fuller.
KEYPORT. J. Lorilard, 100 Mather inc. and 36 Western.
LAKE HOPATCONG. Lake Hopatcong Hotel Co., 17 Ball.
LAKE VIEW. Andre Cardinal, 500 Standard inc.
LITTLE FALLS. Little Falls Bleachery, 75 Thomson-Houston inc.
LONG BRANCH. West End Hotel, 80 Excelsior.
Pressburg & Hildreth, 23 Excelsior.
MAY'S LANDING. May's Landing Water Power Co., 100 Sawyer-Man inc.
MILLSTONE. Somerset Distilling Co., 60 Edison inc.
MOORESTOWN. H. K. & F. B. Thurber, 76 Edison inc.
NEWARK. Durand & Co., Accumulator.
Thomas Brown & Son, Accumulator.
Benj. Atha & Co., 10 United States.
Chas. Cooper & Co., 50 Excelsior.
Celluloid Novelty Co., 300 United States inc.
Clark Thread Mills, 375 Edison inc.
Ballantine & Sons, 120 Edison inc.
Celluloid Mfg. Co., 40 Edison inc.
Heller & Merz, 150 Edison inc.
Newark Smelting and Refining Works, 300 Edison inc.
Wm. Hill, 120 Thomson-Houston inc.
Electric Launch "Magnet" (Frederick Reckenzaun), Storage.
Edward Weston, Storage.
Edison Lamp Co., Storage.
Curtis & Bro., 50 Thomson-Houston inc.
Kerr & Barton, Storage.
NEW BRUNSWICK. Janeway & Carpenter, 320 Edison inc.

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NEW DURHAM. West Shore Railroad Co., Western.
Princeton College, 25 Edison inc.
OCEAN GROVE. Ocean Grove Camp Meeting Association, Ball.
ORANGE. Thomas A. Edison, Storage.
Robert B. Suckley, Ball.
P. B. Fairchild & Co., Ball.
PASCOAG. Sheffield Worsted Mills, 250 Thomson-Houston inc.
PASSAIC. Rittenhouse Mfg. Co., 65 Edison inc.
Okonite Co., 400 Thomson-Houston inc.
Passaic Print Works, 6 United States.
PATERSON. Pioneer Silk Co., 450 Edison inc,
Dolphin Mfg. Co., 500 Thomson-Houston inc.
Oscar Seebass, Thomson-Houston inc.
B. Eastwood, 400 Thomson-Houston arc.
Pioneer Silk Co., 450 Loomis inc.
Ashley & Bailey, 200 Loomis inc.
Charles Vermoral, 75 Edison inc.
Cook Locomotive and Machine Works, 275 Edison inc.
Danforth Locomotive Works, 60 Edison inc.
Bamford Bros., 35 American arc.
Paragon Silk Co., 300 Mather inc.
J. E. Barber, 50 Mather inc.
Nightingale Bros., 600 United States inc.
Paterson "Morning Call," 25 Edison inc.
Horandt & Son, 150 Edison inc.
Ivanhoe Paper Co., 105 Thomson-Houston inc.
Augur & Putoz, 40 Thomson-Houston inc.
William Meisch, 150 Thomson-Houston inc.
H. H. Freeman, 150 Thomson-Houston inc.
John Hand, 150 Thomson-Houston inc.
Phœnix Mfg. Co., 1,000 Thomson-Houston inc.
Helvetia Silk Mill, 125 Thomson-Houston inc.
George Morlot, 400 Thomson-Houston inc.
Hamil & Booth, 800 Thomson-Houston inc.
The William Strange Co., 1,500 United States inc.
Pelgram & Meyers, 50 Thomson-Houston inc.
Crescent Mfg. Co., 50 Sawyer-Man inc.
Grant Locomotive Works, 7 Excelsior.
Geo. Frost & Sons, 30 Excelsior.
Paterson Iron Co., 15 Excelsior.
Passaic Rolling Mill, Brush.
PERTH AMBOY. Arthur Buel Mfg. Co., 75 Westinghouse inc.
PHILLIPSBURG. Standard Silk Mills, 300 Brush inc.
PLAINFIELD. Pond Machine Tool Co., 650 Westinghouse inc.
Clark W. Adams, Van Depoele.
Clark P. Evans, 20 Van Depoele.
Potter Press Works, 6 United States.
Walter Scott & Co., 20 Van Depoele.
POMPTON. H. J. Smith (Accumulator), 75 Thomson-Houston inc.
PORT CRAIN. Ross & Walker, 250 Thomson-Houston inc.
PRINCETON. Princeton College, 20 Brush arc.
RAHWAY. Taylor & Bloodgood, Tesla.
W. L. Mencham, 15 United States.
RARITAN. Raritan Woolen Mills, Brush.
SEABRIGHT. Small Electric Launch (J. L. Riker), Storage.
SOUTH AMBOY. Stickney, Cougham & Co., 75 Edison inc.
George Such, 100 Edison inc.
STIRLING. C. Chaffonjon, 250 Edison inc.
STRATFORD. L. F. Hepburn & Co., 50 Edison inc.
TRENTON. S. K. Wilson, 900 Edison inc.
Trenton Iron Works, 254 Edison inc. and 12 United States.
John A. Roebling's Sons & Co., 12 United States and Ball.
New Jersey Iron and Steel Co., Brush.
UNION HILL. R. & H. Simon Silk Mill, 70 Westinghouse arc, 72 Waterhouse and 250 Mather inc.
Luckemeyer & Shefer, 400 United States inc.
Bergenwood Silk Mills, 100 Edison inc.
WASHINGTON. D. F. Beatty, 250 Edison inc.
WEEHAWKEN. N. Y., L. E. & W. Ry., 10 Excelsior.
WEST BERGEN. Spaulding, Jennings & Co., 5 United States.

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Wheelan & Perry, 7 Excelsior.
WEST HOBOKEN. Giroux & Orsman 225 Edison inc.
Swartzerback, Haber & Co., 600 Edison inc.
E. Otz Silk Mill, 600 Westinghouse inc.
WEST NEW YORK. Conterat & Co., 100 Loomis inc.
WEST RUTHERFORD. Standard Bleachery, 100 Edison inc.
WOODBURY. The Wells & Hope Co., 400 Westinghouse inc.

NEVADA.

OSCEOLA. Osceola Gravel & Mining Co., 3 Thomson-Houston arc.

NEW MEXICO.

LAS VEGAS. The Phœnix Hotel, 900 United States inc.
SILVER CITY. M. W. Bremen, 50 Mather inc.

NEW YORK.

ADDISON. C. D. Hill & Co., 50 Brush inc.
ALBANY. State Capitol Building Co., 60 United States.
Julius Saul, 18 Thomson-Houston arc and 100 inc.
Benthuysen & Sons, 300 Thomson-Houston inc.
Union Depot, 500 Edison inc.
Hicks & Pickup, 50 Mather inc.
Young Men's Christian Association, 350 Edison inc.
J. G. Meyers & Co. (Storage), 900 Edison inc.
National Express Co., 300 Edison inc.
Spencer, Trask & Co., 15 Edison inc.
Albany "Journal" Co., 89 Edison inc.
Albany "News," 60 Edison inc.
"Daily Press and Knickerbocker," 86 Edison inc.
Weed, Parsons & Co., 880 Edison inc.
W. & P. W. Albany, 75 Edison inc.
Hinkel's Brewery, 150 Edison inc.
C. L. Blakeley, 400 Edison inc.
Steamer "E. P. James," Albany & Troy S. S. Co., 80 Edison inc.
John Myers, Accumulator.
New York Harbor (Gedney's Channel), 125 Edison inc.
Hilton Bridge and Construction Co., 40 Edison inc.
E. J. Larrabee & Co., 200 Edison inc.
Newton & Co., 75 Edison inc.
ALEXANDRIA BAY. Pullman House, 235 Edison inc.
AMSTERDAM. Thomas Liddle, 100 Thomson-Houston inc.
Klein & Hubbs, 85 Thomson-Houston.
A. V. Morris & Son, 200 Thomson-Houston inc.
Schuyler & Blood, 150 Thomson-Houston inc.
Wm. Pawling, 150 Thomson-Houston inc.
H. H. Pawling, 110 Thomson-Houston inc.
Kunds, Kyne & Kennedy, 80 Brush inc.
C. D. Austin, 200 Edison inc.
Globe Knitting Co., 80 Edison inc.
Green Knitting Co., 300 Edison inc.
Edward McDonnell, 84 Edison inc.
W. R. McCawatt & Co., 300 Edison inc.
S. Sanford & Sons, 150 Edison inc.
Louis E. Harrower, 150 Sawyer-Man inc.
A. A. Palmer, 100 Westinghouse inc.
L. L. Dean & Co., 100 Brush inc.
ARDSLEY. O'Brien & Clark, Thomson-Houston.
Rogers & Co., Thomson-Houston.
ASTORIA. Astoria Silk Mills, 150 Edison inc.
Joseph Weld & Co., 25 Edison inc.
AUBURN. Logan Silk Works, 50 Brush inc.
McIntosh, Seymour & Co., 50 Brush inc.
D. M. Osborne & Co., 80 Brush arc.
Auburn Woolen Co., 42 United States and 40 Brush arc.
Wegman & Co., 50 Thomson-Houston inc.
AVERILL PARK. N. T. Kane, 66 Thomson-Houston inc.
BALDWINSVILLE. Empire State Mills, 75 Edison inc.
J. C. & J. C. Miller, 110 Edison inc.
Morris Machine Works, 100 Brush inc.
BALLSTON SPA. George West, 250 Edison inc.
BATAVIA. New York Lumber and Wood Wkg. Co., 200 Thomson-Houston inc.
Johnston Harvester Co., 55 Brush.

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BLACK RIVER. Jefferson Paper Co., 40 Edison inc.
BLISSVILLE. Eastern Distillery Co., 80 Edison inc.
Preston Fertilizer, 40 Edison inc.
BLUE MOUNTAIN LAKE. Prospect House, 280 Edison inc.
BRAINARD. J. D. Thompkins, 40 Edison inc.
F. A. Emerick, Thomson-Houston.
BROOKLYN. Church & Co., 80 Westinghouse arc.
Worthington Hydraulic Works, 100 Mather inc.
Laurel Hill Chemical Co., 200 Thomson-Houston inc.
Buchanan & Lyall, 400 Thomson-Houston inc.
India Wharf Brewing Co., 400 Thomson-Houston inc.
American Cotton Oil, 150 Mather inc.
C. N. Medicus & Co., 150 Mather inc.
Pratt Institute, 1,000 Edison inc. and Western, 800 Thomson-Houston.
Dieter's Restaurant, 300 Edison inc.
St. George's Hotel, 650 Edison inc.
Amphion Academy, 1,200 Edison inc.
Brooklyn Turkish Bath, 250 Edison inc.
John Mullen, 450 Edison inc.
D. Appleton & Sons, 450 Edison.
Brooklyn Sugar Refinery, 655 Edison inc.
Dick & Meyer, 500 Edison inc.
I. A. Radcliffe, 450 Edison inc.
King's County Oil Works, 200 Edison inc.
McLaughlin Bros., 25 Edison inc.
Adams & Son, 75 Edison inc.
Atlantic Dredging Co., 25 Edison inc.
Boorum & Pease, 600 Edison inc.
Brooklyn Wire Nail Co., 115 Edison inc.
E. Greenfield's Son & Co., 108 Edison inc.
Oxley, Giddings & Enos, 450 Edison inc.
Radcliffe & Verno, 450 Edison inc.
Scheuer Bros., 150 Edison inc.
Tuttle & Bailey Mfg. Co., 75 Edison inc.
L. Waterbury & Co., 225 Edison inc.
W. H. Herrick, Accumulator.
E. W. Hirsch, Accumulator.
Jewell Milling Co., 450 Thomson-Houston inc.
Church & Co., Ball.
H. Batterman, 68 Thomson-Houston arc.
Burden & Co., 15 American.
Dixon & Wilson
Eagle Mills, Fuller.
Healy Iron Works, 3 Excelsior.
Hurd, Waite & Co., 32 Excelsior.
Havemeyer & Elder, 30 Brush.
Grand Opera House, Fuller.
Leibmann Bros. & Owings, 18 Excelsior and Brush.
Lidgerwood Mfg. Co., 14 United States.
Frederick Loeser & Co., 150 Excelsior.
New York & Brooklyn Bridge, 84 U. S.
A. J. Nutting & Co., 13 Brush.
L. M. Palmer, 10 United States.
Prospect Park & Coney Island Railway, 45 Excelsior.
Rogers, Peet & Co., 50 Excelsior.
Smith, Gray & Co., 30 United States.
Wechsler & Abraham, 89 Thomson-Houston, Excelsior.
E. C. Wilson, American.
Steamer "Butterfield," Brooklyn Annex Co., 75 Edison.
Hawley's Box Co., 250 Sawyer-Man inc.
Cowperthwait Co., 120 Sawyer-Man inc.
J. C. Bennett, 50 Standard arc.
Chesebrough Mfg. Co , 1 United States and 110 Sawyer-Man inc.
Julius Kayser & Co., 110 Sawyer-Man inc.
"Citizen" Publishing Co., 200 Sawyer-Man inc.
Worthington Hydraulic Works, 100 Mather inc.
American Cotton Oil Co., 150 Mather inc.
U. S. Steamer "Omaha," 160 Sawyer-Man inc.
Steamer "Dolphin," U. S. Government, 170 Edison inc.
Steamer "Mississippi," U. S. Government, 65 Edison inc.
Steamer "New Hampshire," U. S. Government, 230 Edison inc.
Steamer "Chicago," U. S. Navy, 400 Edison inc.
Atlantic Dredging Co., 25 Edison inc.
Gunboat No. 1, U. S. Government, 200 Edison inc.
Cruiser "Charlestown," U. S. Government, 800 Edison inc.
Cruiser "Baltimore," U. S. Government, 480 Edison inc.
Cruiser "Pensacola," U. S. Government, 275 Edison inc.

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C. S. Higgins & Son, 50 Brush inc.
Brooklyn Mill & Lumber Co., 50 Brush inc.
U. S. Steel Cruiser "Boston," 272 Brush inc.
Chrome Steel Co., Kent Ave. and Keap St., Ball.
A. D. Matthews & Sons, 70 American arc.
Robert Dunlap & Co., Ball inc.
Erie Basin Dry Docks. Ball.

BROWNSVILLE. Tilden Paper Co., 225 Edison inc.
Cornell Box Co., 115 Edison inc.

BUFFALO. G. D. Barr, 150 Edison inc.
Buffalo Street Railway, 120 Edison inc.
Lake Shore Elevator Co., 50 Brush inc.
Roberts Syndicate, 100 American arc.
Frontier Elevator Co., 80 Edison inc.
International Elevator Co., 150 Edison inc.
Thornton & Chester, 66 Edison inc.
Urban & Co., 65 Edison inc.
John T. Noye Mfg. Co., 150 Edison inc.
N. Y. Sleeping Car Co , 600 Edison inc.
Wagner Palace Car Co., 1,100 Edison inc.
D., L. & W. R. R. Coal Trestles, 150 Edison inc.
International Box and Heading Co., 40 Edison inc.
Wesp, Lautz & Co., 50 Edison inc.
M. S. Robinson, 40 Mayo inc.
E. N. Cook & Co., 60 Sawyer-Man inc.
Co-operative Brewing Co., 60 Sawyer-Man inc.
Mathew Northrup, 6 Thomson-Houston arc.
Star Theatre, 1,000 Edison inc.
The John T. Noye Mfg. Co., 560 Edison
Mansion House, 100 U. S. inc.
Erie County Almshouse, 225 Edison inc.
Levy's Theater, 1,000 Edison inc.
Buffalo Street Car Co., 120 Edison inc.
Barnes, Heugerer & Co , 1,800 Edison inc.
Oven's Bakery, 100 Edison inc.
C. Wegand, 115 Edison inc.
Clay & Richmond, 25 Edison inc.
"Courier" Company, 800 Edison inc.
Buffalo Elevator, 150 Edison inc.
Dakota Elevator, 150 Edison inc.
Erie Elevator, 150 Edison inc.
Jacob Dodd, 378 Edison inc.
Lang Gerhard, 150 Edison inc.
Ziegele Brewing Co., 115 Edison inc.
American Glucose Co., 50 Fuller.
Union Dry Docks, 15 Thomson-Houston.
J. N. Matthews, 2 United States.

CANASTOTA. John E. Gahde, 50 Sawyer-Man inc.
J. H. Gahde, 100 Thomson-Houston inc.

CANISTEO. Canisteo Sash and Door Co., 150 Edison inc.

CARTHAGE. The H. H. Mills Co., Ball.

CATSKILL. W. S. C. Wiley, 150 Sawyer-Man inc.

CHARLOTTE. Rome, Watertown & Ogdensburgh Railroad Yard, 50 Thomson-Houston arc.

COHOES. Troy Waste Mfg. Co., 55 Thomson-Houston inc.
Diamond Knitting Mills, 62 Thomson, Houston inc.
Walker & Williams, 50 Sawyer-Man inc.
Root Manufacturing Co., 400 United States inc.
Bilbrough, Hume & Co., 50 Edison inc.

COLLEGE POINT. Sulz, Vach & Wenige, 75 Sawyer-Man inc.

CORTLAND. Wickwire Bros., 450 Edison inc.
Hitchcock Mfg. Co., Thomson-Houston.
C. B. Hitchcock, 40 Sperry arc.

CUBA. J. & G. Fowler, 150 Loomis inc.

DOLGEVILLE. Alfred Dolge, 750 Edison inc.

DUNKIRK. Western Anti-Fire Car Heating Co., 75 Edison inc.
Dunkirk Engineering Co., Western.
Brooks Locomotive Works, 100 United States inc. and 50 United States arc.

EAST BUFFALO. Christian Klinck, 108 Thomson-Houston inc.

ELMIRA. D. C. Robinson, 400 United States inc.
Elmira "Telegram," 250 United States inc.
Rathbun House, 250 United States inc.
Elmira "Advertiser," 150 United States inc.
Elmira Bridge Co., 200 Mather inc.
N. Y. State Reformatory 1,700 Brush inc.
Elmira Reformatory, 32 Brush inc.
Elmira Woolen Mills, Thomson-Houston.

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FAIRPORT. Deland & Co., 350 Edison inc.
Cox & Co., 450 Edison inc.
FISHKILL LANDING. Lewis Pompkins, 300 Westinghouse inc.
FISHKILL-ON-HUDSON. Homer Ramsdell Trans. Co., 50 Westinghouse.
FONDA. Fonda Knitting Co., 75 Sawyer-Man inc.
FORT HAMILTON. Grand View Hotel, 600 Edison inc.
FORT PLAIN. Dunn, Smith & Co., 144 Thomson-Houston.
B. H. & E. E. Elwood, 120 Edison inc.
FORT WASHINGTON. I. Wright & Hood, 240 Edison inc.
FULTON. J. N. Whitman, 25 Edison inc.
Riverside & Oswego Mills, 200 Thomson-Houston and Brush.
GENEVA. Hygienic Institute, 150 Brush inc.
Phillips & Clarke Stove Co., 150 Brush inc.
GLEN COVE. Glen Cove Starch Co., 500 Mather inc.
Duryea Starch Works, Ball.
Glen Cove Mfg. Co., 23 Ball.
GLENS FALLS. Freeman Van Dusen, 6 United States.
GOUVERNEUR. S. B. Van Duzee & Co., 250 Edison inc.
GRATWICK. Parkes & Son, 40 Edison inc.
GREAT NECK. William H. Arnold, Accumulator.
GREENBUSH. Horatio D. Mould, 25 Westinghouse inc.
GREENWICH. Ondawa Paper Co., 50 Mather inc.
GREGGSVILLE. Empire Salt Co., 30 Edison inc.
GROTON. Crandall Typewriter Co., 60 Brush inc.
HADLEY. West George Paper Mill Co., 40 Edison inc.
HAGAMAN'S MILLS. Henry H. Pawling, 175 Thomson-Houston inc.
HAMILTON. A. W. Jones, 25 Brush inc.
HERKIMER. Morris Mark, 150 Brush inc.
Herkimer Paper Co., 60 Edison inc.
HOOSAC FALLS. Charles Q. Eldridge, Accumulator.
Walter A. Wood, 7 Arnoux-H.
W. A. Woods, Mowing and Reaping Machine Co., Western.
HORNELLSVILLE. S. H. Crane, 15 Thomson-Houston inc.
HUDSON. Union Knitting Co., 150 Thomson-Houston inc.
Harder Knitting Co., 160 Edison inc.
The Hudson River Paper and Pulp Co., 200 Edison inc.
IRVINGTON-ON-HUDSON. Lord's Horticultural Mfg. Co., 60 Edison inc.
ISLIP. Dr. H. H. Kane, 75 Brush inc.
ITHACA. Cornell University (Storage), 18 arc, 75 Mather inc. and 650 Westinghouse
W. A. Anthony, 18 Thomson-Houston arc.
JAMESTOWN. Jamestown Worsted Mills, 1,040 Edison inc.
Jamestown Woolen Spinning Co., 125 inc., put in by Climax Mfg. Co.
KINGSTON. Kraft & Searing, 45 Thomson-Houston inc.
George Crawford, 8 Excelsior.
LAKE GEORGE. Sagamore Hotel, 550 Edison inc.
Fort William Henry Hotel, 200 Westinghouse inc.
Fort William Henry Hotel, 6 American arc.
LAKE PLACID. J. A. & G. A. Stevens Hotel, 225 Edison.
LITTLE FALLS. Thomas, Crandall & Lee, 500 Edison inc.
Astoronga Knitting Mills, 150 Edison inc.
Evans, Lambert & Co., 75 Edison inc.
Nelson & Lansing, 150 Edison inc.
Rockton Knitting Mills, 150 Edison inc.
J. C. Livingstone & Co., 53 Edison inc.
Little Falls Bleachery, 75 Thomson-Houston inc.
Robert MacKinnon, 400 Loomis inc.
LOCKPORT. "Journal" Printing Co., 25 Edison inc.
Lockport "Journal," 40 Edison inc.
Union Printing and Publishing Co., 86 Edison inc.
Chester & Wilson, 25 Edison inc.
Indurated Fibre Co., 50 Edison inc.
Saxton & Thompson, 75 Sawyer-Man inc.
Cowles Electric Smelting Co., 6 Brush.
LONG POINT. Willard White, 6 Thomson-Houston arc.

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GREENPOINT. Continental Works, 15 American arc and 20 United States.
Burden & Co., 35 American arc.
New York Dyewood Co., 300 Westinghouse inc.
LONG ISLAND CITY. Hadwin, Houghton & Co., 25 Mather inc.
Arverne Hotel, 300 Edison inc.
Queens County Oil Works, 300 Edison inc.
MASPETH. E. V. Crandell, 25 Edison inc.
PATCHOGUE. E. H. Terry, Thomson-Houston.
RIVERHEAD. J. R. & J. H. Perkins, Thomson-Houston.
ST. JOHNSLAND. St. Johnsland Farm, 600 Edison inc.
LOON LAKE. Small Launch (George N. McKibben), Storage.
MANLIUS. S. Cheney & Sons, 75 Edison inc.
MATTEAWAN. Matteawan Mfg. Co., 150 Edison inc.
L. H. King, 4 United States.
Crown Mills, 225 Loomis inc.
MECHANICSVILLE. Hudson River Water Power and Paper Co., 150 Mather inc.
Fitchburg Railroad Co., 25 American arc.
Sayles & Washburn, 600 Edison inc.
MIDDLE FALLS. W. N. Sprague, 75 Sawyer-Man inc.
Battenpill Paper Co., 75 Thomson-Houston inc.
MIDDLETOWN. Crawford Brothers, 25 Edison inc.
MINETTO. Minetto Shade Cloth Co., 300 Edison inc.
MOHAWK. Mohawk Valley Knitting Co., 100 Sawyer-Man.
MONTROSE. A. F. Buchanan & Son, 75 Edison inc.
MT. McGREGOR. Balmoral Hotel, 260 Edison inc.
NEWBURGH. James Harrison, 126 Edison inc.
James Taylor, 150 Edison inc.
Newburgh Plaster Mills, 112 Edison inc.
H. T. Ramsdell Co., 50 Westinghouse inc.
Electric Launch "Elektron," owner Joseph Bigler, Storage.
William Wright, 15 Daft arc.
Kilmer Wire Works, 200 Loomis inc.
Crawshaw Carpet Works, 200 Loomis inc.
Newburgh and Fishkill Ferry Co., 50 Westinghouse inc.
Newburgh Steam Mills, about 200.
Steamer "Newburgh," 300 Standard inc.
NEW YORK. Eden Musee, 326 Edison inc.
Koster & Bial, 250 Edison inc.
Kiralfy Brothers, 50 Edison inc.
Lyceum Theatre, 975 Edison inc.
Miner's Eighth Avenue Theatre, 275 Edison inc.
Miner's People's Theatre, 550 Edison inc.
Bowery Theatre, 275 Edison inc.
Monitor & Merrimac, 250 Edison inc.
National Theatre, 198 Edison inc.
Niblo's Garden, 250 Edison inc.
Panorama Building, 250 Edison inc.
Standard Theatre, 100 Edison inc.
Third Avenue Theatre, 600 Edison inc.
Astor Building, 1,358 Edison inc.
Aitken & Co , 250 Edison inc.
American Express Co., 360 Edison inc.
Arnold, Constable & Co., 57 Edison inc.
Aldrich Court, 825 Edison inc.
B. Altman & Co., 100 Edison inc.
Bloomingdale Brothers, 1,127 Edison inc.
Baltimore and Ohio Telegraph Co., 150 Edison inc.
B. T. Babbitt, 100 Edison inc.
Brandreth Building, 150 Edison inc.
Broadway and Seventh Avenue Railroad Co., 600 Edison inc.
C. W. Schumann, 50 Edison inc.
Cable Road, 125th Street, 375 Edison inc.
Duncan Building, 250 Edison inc.
Donnell Building, 200 Edison inc.
Emigrant Industrial Savings Bank, 250 Edison inc.
Everards Baths, 300 Edison inc.
Edison United Mfg. Co., 500 Edison inc.
Fairbanks & Co., 144 Edison inc.
Gorham Mfg. Co., 274 Edison inc.
Grand Central Depot Annex, 214 Edison inc.
Gallatin Bank, 250 Edison inc.
C. P. Huntington, 150 Edison inc.

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Huyler's Confectionery Store, 128 Edison inc.
J. S. Hulin, 50 Edison inc.
Hardman & Peck, 120 Edison inc.
E. S. Jeffary & Co., 500 Edison inc.
E. H. Johnson, 100 Edison inc.
John Duncan & Sons, 110 Edison inc.
Litchtenstein & Sons, 60 Excelsior and 375 Edison inc.
Mills Building, 900 Edison inc.
Metropolitan Telegraph and Telephone Co., 500 Edison inc.
Merchants Building, 200 Edison inc.
Archibald Rogers, 375 Edison inc.
Hinds, Ketchum & Co., 240 Edison inc.
New York "Herald," 800 Edison inc.
New York "World," 450 Edison inc.
Excelsior Quilting Co., 300 Edison inc.
Joseph Loth & Co., 400 Edison inc.
L. Steinhardt & Son, 65 Edison inc.
Whiting & Cambell, 60 Edison inc.
Max Ams, 65 Edison inc.
E. & H. T. Anthony, 33 Edison inc.
Beadleston & Woerz, 414 Edison inc.
T. C. Eastman, 100 Edison inc.
E. H. Kellogg, 50 Edison inc.
Schwarzchild & Sulzberger, 100 Excelsior.
Refrigerator Co., 900 Edison inc.
New Tobias, 150 Edison inc.
R. Hoe & Co., 325 Edison inc.
Manhattan Railroad Co., 140 Edison inc.
Mitchell, Vance & Co., 25 Edison inc.
Semen, Bach & Co., 300 Edison inc.
Bergmann & Co., 600 Edison inc.
Bradley & Currier Co., 150 Edison inc.
Peter Doelger, 300 Edison inc.
Doane & Wellington Mfg. Co., 100 Edison inc.
Fisher & Co., 60 Edison inc.
F. H. Leggett, 16 Brush and 375 Edison inc.
F. W. Lovell & Co., 75 Edison inc.
E. J. Larrabee & Co., 150 Edison inc.
J. P. Morgan, 450 Edison inc.
Steamer "City of Worcester," 540 Edison inc.
Steamer "Pilgrim," Fall River Line, 920 Edison inc.
Steamer "Bristol," Old Colony Line, 675 Edison inc.
Steamer "Providence," Old Colony Line, 675 Edison.
Steamer "Central," New Jersey Central Railroad Co., 65 Edison inc.
Steamer "Fanwood" New Jersey Central Railroad Co., 65 Edison inc.
Steamer "Plainfield," New Jersey Central Railroad Co., 65 Edison inc.
Steamer "Communipaw," New Jersey Central Railroad Co., 65 Edison inc.
Steamer "Seneca," Old Dominion S. S. Co., 135 Edison inc.
Steamer "Old Dominion," Old Dominion S. S. Co., 15 Edison inc.
Steamer "Wyanoke," Old Dominion S. S. Co., 15 Edison inc.
Steamer "Guyandotte," Old Dominion S. S. Co., 15 Edison inc.
Steamer "Roanoke," Old Dominion S. S. Co., 15 Edison inc.
Steamer "Drew," People's Line to Albany, 75 Edison inc.
Steamer "Dean Richmond," People's Line to Albany, 75 Edison inc.
Steamer "Ohio," New York and Brooklyn Ferry Co., 70 Edison inc.
Steam Yacht "Oneida," E. C. Benedict, 75 Edison inc.
Steamer "Saratoga," Citizens' Steamboat Co., 300 Edison inc.
Steamer "Erastus Wiman," Staten Island Rapid Transit Co., 150 Edison inc.
Steamer "Robert Garrett," Staten Island Rapid Transit Co., 150 Edison inc.
Steamer "Monmouth," Central Railroad of New Jersey, 225 Edison inc.
Steamer "Chester," 40 Edison inc.
Steamer "Puritan," Old Colony Steamboat Co., 1,500 Edison inc.
Steamer "Charloes," Hermann Steinburg Co., 75 Edison inc.
Steamer "Tallahassee," Ocean S. S. Co., 100 Edison inc.
Steamer "Augusta," Ocean Steamship Co., 100 Edison inc.
Steamer "Savannah," Ocean Steamship Co., 100 Edison inc.
Steamer "Chattahoochee," Ocean Steamship Co., 100 Edison inc.
Robbins & Appleton, 100 Edison inc.
Charles A. Schieren & Co., 70 Edison inc.
Traverse Bros., 300 Edison inc.
R. H. Wolff & Co., 200 Edison inc.
Warner Bros., 150 Edison inc.

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A. S. Nichols & Co., 80 Edison inc.
Yacht "Namouna," James Gordon Bennett, 120 Edison inc.
Yacht "Atalanta," Jay Gould, 130 Edison inc,
Yacht "Nourmahal," William Astor (Storage), 135 Edison inc.
Yacht "Electra," Elbridge T. Gerry, 120 Edison inc.
Yacht "Fra Diavolo," E. S. Stokes, 25 Edison inc,
Yacht "Tillie," W. H. Starbuck, 235 Edison inc.
Adams Express Co., 107 Sawyer-Man inc.
New Haven Clock Co., 50 Westinghouse inc.
American Exchange National Bank, 200 Sawyer-Man inc.
J. A. Roebling's Sons Co., 50 Sawyer-Man inc.
New York Steam Co., 250 Sawyer-Man inc.
New York "Tribune," 290 Sawyer-Man inc.
New York Wood Turning Co., 260 Sawyer-Man inc.
Schermerhorn Building, 200 Sawyer-Man inc.
L. & M. Steinhardt, 500 Sawyer-Man inc.
United Bank Building, 125 Sawyer-Man inc.
W. H. Jackson & Co., 200 Sawyer-Man inc.
Brooklyn Bridge Freezing and Cold Storage Co., 80 Sawyer-Man inc.
L. Steinhardt & Son, 400 Sawyer-Man inc.
Frederick Lovejoy, Yacht "Neaira," 50 Sawyer-Man inc.
Hudson River Tunnel, 14 United States, 100 Sawyer-Man inc.
New York "Sun," 600 Sawyer-Man inc.
Mutual Life Building, 1,100 Sawyer-Man inc.
Clyde's Line, Steamer "Yemassee," 50 Sawyer-Man inc.
Clyde's Line, Steamer "San Domingo," 50 Sawyer-Man inc.
Clyde's Line, Steamer "Cherokee," 50 Sawyer-Man inc.
Windsor Hotel, 600 Westinghouse inc.
Smith Building, 300 Westinghouse inc.
A. Rockloff & Co., 200 Westinghouse inc.
American Biblical Society, 1,600 Edison inc.
Mechanics' National Bank, 800 Edison inc.
James Everard, 800 Edison inc.
Giles Lithographic Co., 100 Loomis inc.
Brown Bros. & Co.'s Banking House, 400 Loomis inc.
Schermerhorn Building, 400 Loomis inc.
Bendit, Drey & Co., 100 Thomson-Houston inc.
H. H. Hart, 600 Thomson-Houston inc.
Vanderbilt Building, 450 Loomis inc.
N. Y. Cotton Exchange, 600 Continental inc.
Estate of Wm. Astor, 400 Loomis inc.
Van Gestel Street Railway Co., 100 Mather inc.
J. S. Davidson, 200 Thomson-Houston inc.
New York, Manhattan and Cent. Real Estate Association, 550 Westinghouse inc.
Sawyer-Man Building (23d St.), 1,000 Sawyer-Man inc.
Jacob New (518 West 55th St.), 35 Mather inc.
Quebec Steamship Co., Steamer "J. Orinoco," 130 Mather inc.
New York Life Insurance Co., 1,000 Brush inc.
Providence and Stonington Steamship Co.
Steamer "Massachusetts," 525 Brush inc.
Steamer "Rhode Island," 525 Brush inc.
New York Fire Department, 600 Brush inc.
Costello's Candy Store, 50 Brush inc.
Steam Yacht "Alva," W. K. Vanderbilt, 300 Brush inc.
Vanderbilt Mansions, Fifth avenue, 700 Brush inc.
Steamers "City of Chicago" "City of Richmond"—Inman Line.
Steamers "Etruria," "Servia," "Aurania," "Cephalonia," "Pavonia"—Cunard Line.
Steamers "Normandie," "St. Laurent," "Amerique," "France," "Antonia Lopez"—Compagnie General Transatlantique.
Steamers "Doric," "Coptic," "Ionic," "Arabic"—White Star Line.
Bartholdi Statue of Liberty, Bedloe's Island, New York City, 20 American arc.

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Lord & Taylor, Grand street, 83 American arc.
American Graphic Co., 85 American arc.
Electric Light Engraving Co., 6 American arc.
American Press Association, Ball.
Cyclorama Co., Ball.
Ingersoll Rock Drill Co., 80 Ball.
Old Dominion Steamship Co., Ball.
Oriental Hotel, Ball.
Stevens & Morris, Ball.
Brown, Howard & Co., New York Aqueduct, Ball.
Denton, Breuchaud & Co., New York Aqueduct, Ball.
Jones, Denton & Co., New York Aqueduct, 15 Ball.
McLaughlin, Reilly & Co., New York Aqueduct, Ball.
Paige, Carey & Co., New York Aqueduct, 15 Ball.
Smith & Brown, New York Aqueduct, Ball.
W. Mosquire, Accumulator.
American Telephone and Telegraph Co., Accumulator.
L. A. Cuppia, Accumulator.
Metropolitan Phonograph Co., Accumulator.
Red Star Line Pier, Edco.
Storey & Wilson, Ball.
White & Rustling, Ball.
E. Bynner, Hawkeye.
W. M. Heyer, 50 Thomson-Houston inc.
Steamer "Nachochee," Ocean Steamship Co., 100 Edison inc.
Ph. & William Ebling Brewing Co., 500 Westinghouse inc.
Ellsworth L. Striker, 1,000 Westinghouse inc.
American Bank Note Co., Edco. Storage.
Dakota Flats, Storage.
Gallatin National Bank, Storage.
American Express Co , Storage.
London and Liverpool and Globe Insurance Co., Storage.
New York Improved Real Estate Co., Storage.
Waite & Bartlett, Storage.
E. J. Mallett, Storage.
H. D. Klots, 50 inc.
Van Lien & De Forest, 15 inc.
The Cambridge, 500 inc.
A. L. Blumenthal, 400 inc.
Chas. Cooper & Co., 50 inc.
O. B. Boise & Co.
Bloomingdale Bros., 10 Thomson-Houston.
Cary & Moen, 5 United States.
J. B. & J. M. Cornell, 31 United States.
Church & Co., 85 Waterhouse.
Dunham, Buckley & Co., Brush.
Jno. H. Davis & Co., United States.
I. W. England, Braunsdorf.
Electrical Supply Co , Ft. Wayne Jenney.
Fire Department Shops, 2 United States.
Gutta Percha and Rubber Mfg. Co., United States and Fuller.
Gold and Stock Telegraph Co., Braunsdorf.
E. E. Garvin & Co., 5 United States.
Gilbertson, Cabbott & Co., 30 Excelsior.
Hotel Brunswick, Brush.
Hotel Madison, 45 Ball.
H. Hermann, 5 United States.
Iron Steamboat Co., 65 United States.
Keuffel & Esser, 30 Excelsior.
Lidgerwood Mfg. Co., United States.
Orazio Lugo, 30 Excelsior.
Manhattan Railway Co., 18 Brush.
Moss Engraving Co., 7 Excelsior.
Morgan Iron Works, 12 United States.
N. Y. City and N. R. R. Co., 9 Thomson-Houston arc.
McLaughlin, Reilly & Co., 18 Ball.
New York and Savannah Steamship Co., United States.
New York Lumber Auction Co., 12 Ball.
New York Central Elevators, 2 United States.
Nicoll The Tailor, 20 United States.
Pacific Mail Steamship Co., 4 United States.
Chas. Peterson & Co., Thomson-Houston.
Photo-Engraving Co., 2 United States and 7 Excelsior.
Photo-Electrotype Co., 2 United States.
Rogers, Peet & Co., 50 Excelsior.
E. Ridley & Sons, 75 Excelsior and United States.
Rohe & Bros., 5 United States.
Rockwood Solar Printing Co., 1 Excelsior.
Smith & McNell, 40 United States.
Smith Bros. & Co., 15 Ball.
Standard Oil Co., 37 Excelsior.

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St. Francis Xavier College, 6 United States.
Sweetzer, Pembroke & Co., 60 Excelsior.
H. K. & F. B. Thurber.
United States Post Office, 20 United States.
United States Express Co.
Union Square Panorama Co., 40 Ball.
Vitrite & Luminoid Co., 100 Excelsior.
W. J. Wilcox Co., 12 United States.
White Star Line, 6 United States.
Grand Central Station, 1,400 Edison inc.
James A. Hearn & Sons, 60 Westinghouse arc.
H. B. Claflin & Co., 125 arc and 600 Mather inc.
Jacob New, 518 West 55th Street, 50 Mather inc.
Le Boutillier Bros., 75 Mather inc.
Quebec Steamship Co., Steamer "Orinoco," 150 Mather inc.
J. H. Starin, Steamer "Matteawan," 75 Mather inc.
J. H. Starin, Steamer "Sam Sloan," 75 Mather inc.
Buffalo Sash and Door Co., 50 Mather inc.
American Institute Fair Building, 800 Mather inc.
Amberg Theatre, 600 Mather inc.
Western Electric Co., 50 Mather inc.
New York Cab Co., 75 Mather inc.
Empire Building, 71 Broadway, 6 Schuyler arc.
De La Vergne Refrigerating Co., 10 Schuyler arc.
Carey & Moen, 29th St. and 8th Ave., 10 Schuyler arc.
Washington Building, 1,500 United States inc.
Metropolitan Life Ins. Building, 500 United States inc.
Central Trust Co., 800 United States inc.
College of Physicians and Surgeons, 85 United States inc.
Board of Foreign Missions, 75 Edison inc.
City of New York College, 1 United States and 72 Edison inc.
Columbia College, 500 Edison inc.
Dr. Chambers' Women's Hospital, 180 Edison inc.
New York University, 40 Edison inc.
Durland Riding Academy, 600 Edison inc.
C. L. Wright Gravure Co., 8 Westinghouse arc.
St. George Memorial, 520 Edison inc.
Young Woman's Christian Association, 450 Edison inc.
Arion Society, 1,150 Edison inc.
Barrington Apartments, 150 Edison inc.
Buckingham Hotel, 425 Edison inc.
Carlton Club, 200 Edison inc.
Cable, Bailey & Co., 150 Edison inc.
The "Dakota," 28 houses, 5,000 Edison inc.
Everett's Hotel, 500 Edison inc.
Franke's Apartment House, 350 Edison inc.
Hoffman House, 400 Edison inc.
Cambridge Hotel, 650 Edison inc.
Harmonie Club, 500 Edison inc.
Lenox Apartment House, 200 Edison inc.
Murray Hill Hotel, 1,100 Edison inc.
Mt. St. Vincent Hotel, 150 Edison inc.
Mazzetti's Restaurant, 50 Edison inc.
New York Athletic Club, 580 Edison inc.
New York Club, 300 Edison inc.
Osborne Apartment House, 1,100 Edison inc.
Steinhardt's Apartment House, 430 Edison inc.
Stokes' Hoffman Restaurant, 67 Edison inc.
Broadway Theatre, 1,050 Edison inc.
New York Produce Exchange, Safe Deposit and Storage Co., 2,000 Edison inc.
New York Land and Improvement Co., 70 Edison inc.
Ocean Steamship Co.'s Pier, 450 Edison inc.
Park & Tilford, 260 Edison inc.
Postal Telegraph Co., 40 Edison inc.
H. V. Parsell, 500 Edison inc.
Rhinelander Estate, 525 Edison inc.
Whitelaw Reid, 500 Edison inc.
Stern Bros., 1,857 Edison inc.
Second Avenue Railroad Car Stables, 312 Edison inc.
I. S. Scott, 50 Edison inc.
Schumann & Sons, 75 Edison inc.
Thurber, Whyland & Co., 705 Edison inc.
Vogel Brothers, 500 Edison inc.
Williamsburgh City Fire Insurance Co., 100 Edison inc.
Western Union Building, 400 Edison inc.

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NEW YORK MILLS. Office New York Mills, 155 Brush, United States.
NIAGARA FALLS. Cataract Mill, 50 Edison inc.
Central Milling Co., 575 Edison inc.
Schoelkopf & Matthews, 100 Edison inc.
Niagara Wood Paper Co., 40 Edison inc.
Pettibone Paper Co., 50 Edison inc.
John F. Quigley, 25 Edison inc.
Central Milling Co., 225 Edison inc.
Oneida Community, 300 Brush-Swan inc.
Carter & Co., 75 Brush-Swan inc.
OLEAN. Acme Oil Co., 4 Brush arc.
Eclipse Lubricating Oil Co., 20 Edison inc.
National Transit Co., 15 Edison inc.
ONEIDA. Chappell, Chase & Maxwell Co., 300 Edison inc.
Westcott Chuck Works, 75 Edison inc.
J. W. Warner, 160 Thomson-Houston and American.
OSWEGO. Conde Swits, 270 Edison inc.
Standard Yarn Co., 150 Edison inc.
Oswego Mfg. Co., 300 Edison inc.
R. J. Oliphant, 75 Sawyer-Man inc.
OTEGO. Bowe Basket Co., 75 Edison inc.
PENN YAN. Penn Pulp Paper Co., 25 Edison inc.
PORT CHESTER. Geo. Mertz & Son, 50 Edison inc.
POINT CHAUTAUQUA. Grand Hotel, 18 Thomson-Houston arc.
POUGHKEEPSIE. Phœnix Horse Shoe Co., 60 Edison inc.
Steamer "D. S. Miller," Poughkeepsie Trans. Co., 55 Edison inc.
Steamer "Hasbrooke," Poughkeepsie Trans. Co., 50 Edison inc.
Hudson River State Hospital, 800 Thomson-Houston inc.
Falkhill Iron Co.
PULASKI. Charles Tollner, 60 Edison inc.
RAVENSWOOD. John Good, 250 Edison inc.
RHINECLIFFE. Levi P. Morton (electrical accumulator), 250 Thomson-Houston inc.
RICHFIELD SPRINGS. Spring House, 200 Edison inc.
T. R. Proctor, 18 Remington and 300 Edison inc.
ROCHESTER. Powers Block, 600 United States inc.
The Powers Hotel, 860 Edison inc.
Eastman Dry Plate Co., 200 Edison inc. and 100 Brush-Swan.
Vacuum Oil Works, 100 Edison inc.
Reynolds & Eddy, 300 Sawyer-Man inc.
Rochester Paper Co., 100 Sawyer-Man inc.
Whitney & Wilson, 70 Sawyer-Man inc.
Monroe County Insane Asylum, 600 Thomson-Houston inc.
Alden & Lassing, United States.
Wm. Gleason, 10 Fuller.
D. W. Powers, 25 Fuller.
Rochester Bridge and Iron Works, 25 United States.
Nowry Bridge, 400 Thomson-Houston inc.
Bauch & Long, 100 Edison inc.
Ontario Beach and Improvement Co., 52 Brush inc.
Bartholomew Cottage, 32 Brush inc.
Wm. Gleason, 150 Edison.
Windsor Beach, Rome and Watertown Railroad, 30 Thomson-Houston inc.
Sea Breeze Bay Railroad Co., 16 Ft. Wayne inc.
Glen Horn, Glen Railroad Co., 15 Brush inc.
ROCK CITY. Austin & McGregor, 50 Edison inc.
SALISBURY MILLS. H. Powell Ramsdell, 50 Sawyer-Man.
SANDY HILL. N. W. Wait & Son, 75 Sawyer-Man inc.
Thos. E. Wells, 250 Thomson-Houston inc.
Allen Bros., 450 Brush inc.
Howland & Co., 100 Edison inc.
SAUGERTIES. J. B. Sheffield & Son, 100 Edison inc. and Ball.
SCHAGHTICOKE. Stephen W. Barker, 200 Sawyer-Man inc.
Cable Flask Mills, Fuller.
SCHENECTADY. Schenectady Locomotive Works, 50 Edison inc., 20 United States.
SENECA FALLS. The Gould's Mfg. Co., 200 Sawyer-Man and 325 Thomson-Houston inc.
W. T. Kane, 75 Thomson-Houston inc.
Wescott Brothers, 8 Remington arc.
SHELLDRAKE. Cayuga Lake House, 175 Edison inc.

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SHELTER ISLAND. Manhansett Hotel, 150 Edison inc.
Shelter Island Co., 225 Edison inc.
SOUTH BROOKLYN. South Brooklyn Saw Mill Co., 6 American arc.
SKANEATELES FALLS. Glenside Woolen Mills, 225 Edison inc.
F. G. Weeks, 75 Brush inc.
SKANEATELES. Skaneateles Paper Co., 75 Brush inc.
CLIFTON. F. Bachmann, 150 Edison inc.
STAPLETON. Rubsam & Horrman, 140 Sawyer-Man inc.
STATEN ISLAND. American Linoleum, Brush.
Staten Island Amusement Co., 900 Edison inc., 145 American arc.
STOCKPORT. Rossman Knitting Co., 55 Sawyer-Man inc.
Stockport Cotton Mills, 56 Sawyer-Man inc.
STOTTVILLE. Stott Woolen Co., 700 Brush inc.
SYRACUSE. Solvay Process Co., 150 Edison inc.
Mowry Building, 200 Thomson-Houston inc.
Porter Mfg. Co., 12 Thomson-Houston.
E. C. Stearns & Co., Packer.
Dey Brothers & Co., 300 Edison inc.
D. McCarthy & Son, 385 Edison inc.
H. N. Marvin, 25 Edison inc.
Syracuse "Herald," 60 Edison inc.
Amos Brothers, 70 Edison inc.
Eureka Chemical Co., 75 Edison inc.
Sanderson Brothers Steel Co., 100 Edison inc.
Sweet Mfg, Co., 30 Edison inc.
Frazer & Jones, 225 Edison inc.
Syracuse Power Co., 50 Thomson-Houston inc.
Pierce, Butler & Pierce, 100 Thomson-Houston inc.
TARRYTOWN. Brown, Howard & Co., 25 Schuyler arc, Thomson-Houston.
Willaim Rockefeller's residence, 750 Edison.
TICONDEROGA. Ticonderoga Paper and Pulp Co., 100 Sawyer-Man inc.
TONAWANDA. Hollister Brothers, 50 Edison inc.
A. M. Dodge & Co., 75 Edison inc.
TROY. J. McArthur Sons, 100 Edison inc.
Albany & Rense Iron Steel Co., 15 Brush.
Morris Gross, 10 United States.
Union Depot, 15 American arc.
Delaware and Hudson Canal Co., 1,500 Edison inc.
"Northern Budget and Telegram," 76 Edison inc.
Troy "Times," 51 Edison inc.
"Telegram and Budget," 60 Edison inc.
G. P. Ide, Bruce & Co., 280 Edison inc.
Burden Iron Works, 50 Edison inc.
Troy Press Co., 80 Sawyer-Man inc.
John G. Mairs (Submarine Lamp), Storage.
Troy Waste Mfg. Co., 50 Thomson-Houston inc.
Wayside Knitting Co., 200 Thomson-Houston inc.
TUXEDO PARK. Tuxedo Park, 850 Edison inc.
UTICA. Shenandoah Cotton Co., 400 United States inc.
Globe Woolen Mills, 55 Thomson-Houston, United States.
Utica Insane Asylum, 1,000 Edison inc.
"Saturday Globe," 150 Edison inc.
Globe Woolen Mills, 1,000 Edison inc.
Wild & Devereux, 50 Thomson-Houston inc.
Empire Mills, 90 Edison inc.
H. J. Holbrooke & Co., 280 Edison inc.
WAPPINGER'S FALLS. Garner & Co., 108 Edison inc.
WATERFORD. Hudson Valley Knitting Co., 106 Sawyer-Man inc.
WATERLOO. Waterloo Wagon Co., 225 Edison inc.
Waterloo Woolen Mfg. Co., 30 Ball arc.
WATERTOWN. Bagley & Sewall, 150 Edison inc.
Eames Vacuum Brake Co., 100 Edison inc.
C. R. Remington & Son, 75 Sawyer-Man inc.
Knowlton Brothers, 100 Sawyer Man inc.
Taggert Brothers Co., 50 Sawyer-Man inc.
Remington Paper Co., 200 Brush inc.
Nell & Jess, 15 Thomson-Houston inc.
Harvard Mill Co., 75 Thomson-Houston inc.
WEST BRIGHTON. C. W. Hunt, 25 Edison inc.

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WEST POINT. United States Military Academy, 75 Edison.
WHITEHALL. Frederick Dale, 250 Sawyer-Man inc.
WILLARD. Willard Insane Asylum, 750 Edison inc. and 10 American arc.
WILLIAMSBURGH. Havemeyer & Elder, 2,700 Edison inc.
Rowland F. Hill, 25 Edison inc.
New York Ferry Co., 39 United States.
YONKERS. Otis Brothers, 50 Mather inc.
Alexander Smith & Sons, 200 United States inc.

NORTH CAROLINA.

ASHEVILLE. Battery Park Hotel, 275 Edison and 100 Brush inc.
CHARLOTTE. Ada Mfg. Co., 200 Westinghouse inc.
D. A. Thompkins, 100 Westinghouse inc.
Charlotte Oil and Fertilizer Co., 150 Westinghouse inc.
GASTONIA. Gastonia Cotton Mfg. Co., 150 Edison inc.
GIBSONVILLE. Ossipee Cotton Mills, 250 Edison inc.
DURHAM. J. S. Carr, 40 Edison.
Durham Cotton Co., 151 Edison inc.
HAW RIVER. Thomas M. Holt, 350 United States.
T. M. Holt, 155 Edison inc.
HENRIETTA. Henrietta Mills, 100 Westinghouse inc.
HICKORY. D. W. Sheeler, Ball.
HIGH POINT. Empire Plaid Mills, 115 Edison inc.
LOWELL. McAden Mills, 550 Edison inc.
LEXINGTON. W. E. Holt, 150 Edison inc.
MOUNTAIN ISLAND. Hooper Twine and Net Co., 300 Edison inc.
RANDLEMAN. Randleman Mfg. Co., 500 Brush inc.
C. C. Randleman's Cotton Mill, 100 United States.
Nadus Falls Mfg. Co., 300 Brush inc.
Plaidsville Mfg. Co., 150 United States inc.
REIDSVILLE. Reidsville Cotton Mill, 100 United States inc.
SALISBURY. Salisbury Cotton Mills, 300 Edison inc.
STALEY. Columbia Mfg. Co., 75 Westinghouse inc.
TARBORO. Tarboro Cotton Mills, 300 Westinghouse inc.
WINSTON. B. F. Hanes.

OHIO.

AKRON. Schumacker Flour Milling Co., 600 Edison inc.
Webster, Camp & Stone, 200 Thomson-Houston inc.
Phillips Paper Co., 40 Edison inc.
Akron Twine and Cordage Co., 75 Edison inc.
B. F. Goodrich, 250 Edison inc.
Hotel Buchtel, 150 Brush inc.
Akron Iron Co , 18 Brush.
Aultman, Miller & Co., 20 Brush.
Diamond Match Co., Brush.
ALLIANCE. Alliance Street Railway Co., Thomson-Houston arc.
Morgan Engineering Co., 400 Thomson-Houston inc. and 60 arc.
ASHTABULA. London Rubber Co., 115 Edison inc.
BELLEFONTAINE. Coleman Brothers, 40 Edison inc.
BEREA. C. H. Strong & Son, 50 Westinghouse inc.
Cleveland Stone Co., Ft. Wayne Jenney.
CALUMET. Calumet Fire Clay Co., 150 Edison inc.
CANTON. C. C. Thompson, 25 Edison inc.
CASTINE. Cantine & Co., 200 Thomson-Houston inc.
CHAGRIN FALLS. A. C. Williams, 50 Westinghouse inc.
CARTHAGE. Hamilton County Infirmary, 100 Edison inc.
CINCINNATI. American Oak Leather Co., 150 Edison inc.
Christian Morlein Brewing Co., 450 Edison inc.
Mill Creek Distillery Co., 60 Edison inc.
Alex. McDonald & Co., 25 Edison inc.
Rhiensbrom Brothers, 60 Edison inc.
Emerson, Fisher & Co., 75 Edison inc.
Gooch, Freezer & Co., 50 Edison inc.
Lewis & Lopez, 60 Edison inc.
John R. McLean, 350 Edison inc.
A. Morrison, 55 Edison inc.

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Van Antwerp, Bragg & Co., 200 Westinghouse inc.
"Commercial Gazette," 300 Mather inc.
F. & F. S. Ferry, 65 Mather inc.
John Carlisle, 50 Mather inc.
Heuck's Opera House Co., 400 Mather inc.
A. H. Pugh, 250 Mather inc.
Price Hill Inclined Plane Railway, 10 Thomson-Houston.
Thomas Sherlock Trans. Co., Ft. Wayne Jenney.
Stowbridge Lithograph Co., 30 Brush.
Steamer "Robert Pebbles," 7 Ft. Wayne Jenney.
Steamer "Excelsior," 5 Ft. Wayne Jenney.
Steamer "Bonanza," Van Depoele.
Steamer "Golden Crown," 4 Ft. Wayne Jenney.
Steamer "H. F. Frisbie," 4 Ft. Wayne Jenney.
H. Schreiber & Sons Co., 10 Van Depoele.
Wharfboat "Memphis," 3 Ft. Wayne Jenney.
W. F. Whitney, Van Depoele.
Cincinnati Cooperage Co., 75 Brush inc.
C. E. Jones & Bro., Storage.
Princess Skating Rink, 20 Van Depoele.
J. Walker Brewing Co., Van Depoele.
L. Schreiber & Sons Co., Van Depoele.
Phœnix Bridge Co., Western.
Cincinnati Ice Mfg. and Cold Storage Co., 10 Ball.
Fecheimer Brothers, 50 Ball.
Hall Safe and Lock Co., 120 United States and Ind. Jenney.
F. M. Dille, 1,850 Ind. Jenney inc.
Russell-Morgan Printing Co., 25 Thomson-Houston arc.
Foulds & Co., 30 Ind. Jenney inc.
Browning, King & Co., 15 Excelsior.
Big Sandy Packet Co., Thomson-Houston, Excelsior, Van Depoele, United States, Ft. Wayne Jenney.
Cincinnati Excursion Co., 20 Ft. Wayne Jenney.
Coney Island Park, 30 Waterhouse.
Consolidated Coal and Iron Co., Ft. Wayne Jenney.
Dennison Hotel, 12 Excelsior.
Fleishmann & Co., 10 Brush.
A. Gunnison, 15 Excelsior.
Mt. Adams and Eden Park Inclined Railway, Brush.
McNabb Coal and Coke Co., 5 Ft. Wayne Jenney.
Newport Ferry Boat, United States.
Order of Cincinnatus, 80 Ind. Jenney and Ball.
Weir Frog Co., 35 Westinghouse arc.
Coney Island Co., 100 Mather inc.
G. H. Boute, 75 Mather inc.
Cohen & Co., 300 Mather inc.
United States Custom House and Post Office, 1,200 United States inc.
James Walsh & Co., 100 Mather inc.
W. N. Gray, 8 Mather arc.
George McAlpin & Co., 8 Mather arc.
Burnet House, 250 Edison inc.
Cincinnati Exposition, 1,680 Edison inc.
Grand Central Depot, 1,300 Edison inc.
The John Shillito Co., 750 Edison inc.
Cincinnati "Daily Enquirer," 400 Edison inc.
St. Clair Hotel, 100 Thomson-Houston inc.
Woodruff & McFarlan, 20 Thomson-Houston inc.
Cincinnati Ice Machine Co., 30 Thomson-Houston arc.
Barnum & Richardson Mfg. Co., 6 Thomson-Houston arc.
A. H. Pugh Printing Co., 40 Edison inc.
Russell, Morgan & Co., 30 Thomson-Houston and 250 Edison inc.
Western Methodist Book Concern, 400 Edison inc.
Lape & Bros., 60 Edison inc.
Sechler & Co., 25 Edison inc.
CLEVELAND. Globe Iron Works, 10 arc and 48 Ball inc.
Perry Paine Building, 1,000 Thomson-Houston.
American Wire Co., 45 Brush.
Arctic Ice Machine and Mfg. Co., 14 Thomson-Houston.
Wm. G. Beyerle, Brush.
Cleveland Rolling Mill Co., Brush.
Cleveland Cyclorama Co., 30 Ft. Wayne Jenney.
Cleveland Rubber Co., 400 Thomson-Houston inc.
Hart & Co., 200 Thomson-Houston inc.
H. P. Nail Co., 17 Arnoux-H.

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Kilby Mfg. Co. 20 Ft. Wayne Jenney.
Lake Erie Iron Co., Brush.
E. M. McGillin & Co., 40 Brush.
Root & McBride Bros., 65 Brush.
Stein Brothers, Thomson-Houston.
National Carbon Co., Thomson-Houston, United States and American.
Variety Iron Works, Arnoux-H.
Walker Mfg. Co.
W. B. Cleveland, 25 Mather inc.
The Stillman Hotel, 1,000 United States inc.
I. B. Perkins, 400 Edison inc.
Wilshire Building, 450 Edison inc.
Cleveland Milling Co., 60 Edison inc.
Cleveland Paper Co., 75 Edison inc.
American Lubricating Oil Co., 119 Edison inc.
Gayosa Oil Mill, 75 Edison inc.
Standard Oil Co., 75 Edison inc.
Hollenden Hotel, 1,000 Westinghouse inc.
Otis Iron and Steel Co., 300 Westinghouse inc.
Sherwin, Williams & Co., 150 Brush inc.
American Lubricating Oil Co., 300 Brush inc.
G. W. Stockly, 75 Brush inc.
Worswick Mfg. Co., 75 Brush inc.
Davis' Oil Works, 25 Brush inc.
Swan Lamp Mfg. Co., 175 Brush inc.
Billings, Taylor & Co., 75 Brush inc.
Cleveland Machine Co., 75 Brush inc.
Park Theatre, 600 Brush inc.
"The Doan," 100 Westinghouse inc.

CHILLICOTHE. Malone Sewing Machine Co., 100 Edison inc.

CIRCLEVILLE. S. Ward, 50 Edison inc.
American Wire Nail Co., 50 Edison inc.

CLINTON. A. Lamb & Sons, 150 Edison inc.

COLUMBUS. Ohio "State Journal," 60 Edison inc.
Ohio State University, 6 Thomson-Houston arc.
Hardesty Bros., 50 Sawyer-Man inc.
Columbus Buggy Co., 85 Ft. Wayne Jenney.
Columbus Electric Supply Co., 7 Ft. Wayne Jenney.
Egan & McDonald, 8 Egan.
Ohio Penitentiary, 12 Waterhouse.

CUYAHOGA FALLS. Turner, Vaughn & Taylor, 100 Edison inc.
Falls Rivet and Machine Co., 80 Ind. Jenney inc.
Falls Paper Co., 40 Ind. Jenney inc.
Camp & Thompson, 80 Ind. Jenney inc.

DAYTON. Beckall House, 300 Thomson-Houston inc.
Hawes & Co., 100 Edison inc.
Smith, Vail & Co., 200 Edison inc.

DEFIANCE. Turnbull Wagon Co., Van Depoele.

EMPIRE. Empire Fire Clay Co., 75 Edison inc.

FREMONT. Claus, Sheer & Co., 100 Thomson-Houston inc.

FAIRPORT. Consumers' Forwarding and Storage Co., 20 Brush.

FOSTORIA. Isaac Harter Co., 130 Sawyer-Man inc.

FRANKLIN. Harding Paper Co., 150 Mather inc.
Friend & Fogy, 60 Edison inc.

GIRARD. Krehl, Hauser & Co., 40 Edison.

HAMILTON. Hoover, Owens & Rentschler Co., 14 Mather arc.
Black & Clawson, 14 Mather arc.
Long, Allstatter & Co., 8 Mather arc.
Beckett Paper Co., 75 Mather inc.
Gordon & Maxwell Co., 16 Thomson-Houston.
Niles Tool Works, 28 Brush.

IVORYDALE. Proctor & Gamble, 825 Edison inc.

LOCKLAND. Stearns & Foster Co., 225 Edison inc.

MANSFIELD. Gilbert Waugh & Co., 40 Edison inc.

MIDDLETOWN. Titus Paper Co., 275 Edison inc.
Middletown Paper Co., 25 Brush inc.

MINERVA. Pennock Bros., Ball.

MT. VERNON. Cleveland, Mt. Vernon & D. Railroad, 10 United States.

MONROE. Howland & Ellis, 8 Thomson-Houston arc.

NEWARK. B. & O. Railroad, 27 Thomson-Houston.

NEW PORTAGE. Portage Straw Board Co., 400 Edison inc.

NILES. Falcon Iron & Nail Co., 150 Brush inc.

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POMEROY. Steam Towboat "Bob Prichard," 7 Ft. Wayne Jenny arc.
PROSPECT. Miller, Jones & Co., 40 Ind. Jenney inc.
SALEM. Buckeye Engine Co., 25 United States arc.
Salem Wire Nail Co., 200 Thomson-Houston inc.
SANDUSKY. West Hotel, 300 Edison inc.
City Water Works, 25 Edison inc.
G. B. Hodgeman & Co., 75 Edison inc.
SIDNEY. John Loughlin, 75 Edison inc.
SPRINGFIELD. Wardner, Bushnell & Glessner, 35 Westinghouse arc.
O. S. Kelley, 30 Brush.
James Leffel & Co., 5 United States.
Whitely, Fassler & Kelly, 8 Brush.
STEUBENVILLE. Junction Iron & Steel Co., 12 Fuller arc.
Jefferson Iron Works, 12 Fuller arc.
TIFFIN. Geo. E. Seney, Western.
American Straw Board Co., 80 Queen City inc.
W. Brady, 6 arc and 600 Thomson-Houston inc.
Conant Furniture Co., 100 Edison inc.
New People's Theatre, 12 arc and 600 Thomson-Houston inc.
TOLEDO. Toledo Insane Asylum, 2,400 Edison.
Boody House, 225 Edison inc.
E. P. Chapin, 150 Edison inc.
Presque Isle Co., 20 Ind. Jenney arc and 50 inc.
URBANA. United States Rolling Stock, 120 Edison inc.
WAPOKONETA. Wapokoneta Spoke Co., 40 Edison inc.
WELLSTON. Consolidated Wellston Coal & Iron Co., 20 Ball.
F. E. Hinkley, Ball.
XENIA. Xenia Paper Co., 40 Edison inc.
Field Cordage Co., 100 Edison inc.
YOUNGSTOWN. Mahoning Valley Iron Co., 200 Thomson-Houston inc.
American Tube and Iron Co., 300 Brush inc.
Andrews Bros. & Co., Brush.
Brown, Bonnell & Co., Brush.
Youngstown Car Mfg. Co., Brush.
ZANESVILLE. Sturtevant & Martin, 100 Edison inc.
Graham & Co., 20 United States.

OREGON.

EAST PORTLAND. H. A. Hogue, Ball.
PORTLAND. Oregon Railroad & Navigation Co., 120 Edison inc.
D. H. Jones & Co., 300 Loomis inc.
North Western Cold Storage & Ice Co., 80 Thomson-Houston inc.
Steamer "Columbia," O. R. & N. Co., 120 Edison inc.
Steamer "Queen of the Pacific," O. R. & N. Co., 250 Edison inc.
Steamer "Santa Rosa," O. R. & N. Co., 450 Edison inc.
Steamer "Olympian," O. R. & N. Co., 280 Edison inc.
Steamer "Alaskian," O. R. & N. Co., 275 Edison inc.
Steamer "San Pablo," O. R. & N. Co., 175 Edison inc.
Steamer "Kalama," North Pacific Railroad Co., 60 Edison inc.
Duniway & Co.
Oregon Improvement Co., 34 United States.
Geo. W. Weidler, 20 United States.
Portland Hotel Co., 1,750 Edison.
PENDLETON. W. S. Byers & Co., Ball.
SALEM. Thomas Holman, Ball.

PENNSYLVANIA.

ALLEGHENY. Hamilton, Lemon, Arnold & Co., 50 Edison inc.
Gerdes Leather Co., 75 Westinghouse inc.
Marshall, Kennedy & Co., 50 Westinghouse inc.
Boggs & Buhl, Ball.
ALLENTOWN. Allentown Spinning Co., 250 United States inc.
Lavell Mfg. Co., 100 Edison inc.
James K. Mosser, 150 Brush inc.
Mosser, Keck & Co., 150 Brush inc.
The Allen House, 450 Brush inc.
H. Leh & Co., Thomson-Houston.
Allentown Rolling Mill, 18 arc, 200 inc., Thomson-Houston system.
Koch & Shankviller, 25 Thomson-Houston arc.

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ALTOONA. Altoona Mfg. Co., 25 Westinghouse inc.
D. Simons, 75 Westinghouse inc.
Altoona Car Works Co., 75 Westinghouse inc.
AMBLER. Keasby & Mattison, 200 Mather inc.
ARDMORE. Dr. George Gerhardt, Storage.
S. F. Stadelman, Storage.
David Dallis, Storage.
W. H. Lesher, Storage.
Union News Co., Storage.
R. Smith, Storage.
ASHBOURNE. J. B. Stetson, two residences, Storage.
Lewis S. Cox, Storage.
Henry M. Roelefs, Storage.
Mr. Fray, Storage.
Ashbourne Railroad Station, Storage.
Mr. Snyder, Storage.
Ashbourne Church, Storage.
ATHENS. Union Bridge Co., 9 Fuller.
BEAVER FALLS. H. M. Myers, 80 Edison inc.
H. T. Reeves, 75 Edison inc.
Midgely Wire Belt Co., 100 Thomson-Houston inc.
BETHLEHEM. John D. Cutter & Co., 400 Edison inc.
Bethlehem Iron Works, 70 United States.
BODINES. Robert Innes, 150 Brush inc.
BREIGHTON. Pittsburg Plate Glass Co., 100 Edison inc.
BRIDESBURG. Mason Fruit Jar Co., 25 Schuyler arc.
BRIDGEPORT. H. McInnes, 75 Edison inc.
BRISTOL. Joshua Pierce & Co., 150 Edison inc.
Pierce, Johnson & Co., 200 Edison inc.
Grundy Bros. & Campion, 275 Sawyer-Man inc.
W. H. Grundy, 400 Sawyer-Man inc.
Bristol Rolling Mill, 50 Sawyer-Man inc.
BRYN MAWR. Union News Co., Storage.
BURMONT STATION. George W. Patten & Co., 40 Sawyer-Man inc.
CARBONDALE. Delaware and Hudson Canal Co., 6 United States.
CARLISLE. Valley Sentinel, 81 Edison inc.
CATASAUQUA. McKee & Fuller, 120 Edison inc.
Bryden Horseshoe Co., 50 Westinghouse inc.
Catasauqua Manufacturing Co., 25 United States.
CHESTER. Combination Iron and Steel Co., Ball.
Patterson Mills, 600 United States inc.
Chester Oil Co., 100 Sawyer-Man.
James Irving & Son, 150 Sawyer-Man.
Lincoln Manufacturing Co., 115 Sawyer-Man.
Steamer "Standard," Standard Oil Co., 115 Edison inc.
Tidewater Steel Works, 12 Ball.
John Roach & Son, 10 United States.
Robert Wetherill & Co., 25 United States.
Chester Rolling Mill, Thomson-Houston.
Chester Pipe & Tube Co., 32 Ball arc.
James Bowers' Sons, 100 Loomis inc.
COATESVILLE. Jukens Iron & Steel Co., 20 arcs and 100 Thomson-Houston inc.
COLMAR. A. H. Moore, 100 Westinghouse inc.
COUDERSPORT. Tidewater Pipe Co., 40 Edison inc.
CONSHOHOCKEN. Plymouth Rolling Mill, 16 Ball.
Conshohocken Rolling Mill, Thomson-Houston.
CORNWALL. R. H. Coleman, 135 Edison inc.
Cornwall Furnace Co., 50 Edison inc.
CREIGHTON. Pittsburg Plate Glass Co., 800 Edison inc.
DANVILLE. Danville Nail Co., 350 Westinghouse inc.
DOWNINGTON. H. B. McFarlan, 1,400 Westinghouse inc.
DRIFTON. Coxe Brothers & Co., 400 Westinghouse inc.
Du BOIS. John Du Bois, 450 Edison inc.
DUNCANVILLE. Portgage Iron Co., 10 arc and 36 Loomis inc.
A. A. Whitney, 52 Loomis inc.
EAST LIBERTY. E. B. McAbee, 15 Ft. Wayne Jenney.
EAST MAUCH CHUNK. C. E. Meding, 250 Sawyer-Man inc.
EAST STROUDSBURG. Geo. L. Adams & Co., 150 Brush inc.

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EASTON. John Eyermann, Accumulator.
EDDINGTON. St. John's School, 600 Edison inc.
ELWYN. Pennsylvania Institute for Feeble-minded, Westinghouse.
ERIE. Jarecki Mfg. Co., 30 Westinghouse arc.
H. F. Watson, 100 Edison inc.
Stearns Mfg. Co., 250 Edison inc.
Griswold Mfg. Co., 100 Edison inc.
Erie City Iron Works, 300 Westinghouse inc.
The F. F. Adams Co., 16 Van Depoele.
Nevins Mfg. Co., Edison.
Lovell Mfg. Co., Edison.
Ball Engine Co., 15 Fuller.
Pennsylvania Railroad Shops, 20 United States.
FRANKFORD. Campbell & Hitt, Ball.
FRANKLIN. Eclipse Lubricating Oil Co., 5 United States and 150 Edison inc.
GERMANTOWN JUNCTION. Henry Warden, 150 Westinghouse inc.
Scatchard Woolen Mills, Brush and Ball.
GLEN HALL STATION. Chester County Home, 100 Westinghouse inc.
HAVERFORD COLLEGE. Haverford Railroad Station, Storage.
H. J. Cassatt, Edco Storage.
W. W. Griscom, Edco Storage.
R. M. Jones, Storage.
J. Randall Williams, Storage.
James Windsor, Storage.
W. H. Sutton, Storage.
J. M. Rhoads, Storage.
H. Wendell, Storage.
Samuel French, Storage.
Whittaker Wright, Storage.
Allen Evans, Storage.
Charles Williams, Storage.
C. A. Grimson, Storage.
T. DeWitt Cuyler, Storage.
Union News Company, Storage.
Samuel Williams, Storage.
J. L. Stadelman, Storage.
HOLLIDAYSBURG. McLahnan & Stone, 100 Standard inc.
HUDSONDALE. Tidewater Pipe Co., 40 Edison inc.
HUNTINGTON. Gondalo Fanning Co., 75 Westinghouse inc.
Huntington Car Works, 15 Brush arc.
Pennsylvania Industrial Reformatory, 75 arc and 1,800 Brush inc.
Banning, Bissell & Co., 50 Westinghouse inc.
JEANSVILLE. J. C. Hayden & Co., 2 United States.
JENKINTOWN. Railway Switch Co., Edco Storage.
JOHNSTOWN. Wolf, Son & Thomas, 20 Westinghouse arc.
Cambria Iron Co., 130 Thomson-Houston, Brush.
KANE. National Transit Co., 200 Thomson-Houston inc.
KENSINGTON. James Doak, Jr., & Co., 200 Westinghouse inc.
KINGSTON. Wyoming Valley Seminary, 500 Edison inc.
LAFAYETTE. W. C. Hamilton & Sons, 4 United States and 105 Edison inc.
LANCASTER. Conestoga Mills, Fuller.
Watt, Shand & Co., Fuller.
Meyers & Rathfon, 10 Thomson-Houston.
LANSDOWNE. A. H. Postel, 100 Thomson-Houston inc.
A. H. Postel, Edco Storage.
LATROBE. Latrobe Steel Works, 100 Edison inc.
LEBANON. R. W. Coleman, 40 Edison inc. and 18 Thomson-Houston arc.
Pennsylvania Bolt and Nut Co., 200 Westinghouse inc.
LEMONT. Pennsylvania State College, 950 Edison inc.
LENNI. Mt. Park Cotton and Woolen Co., 60 Edison inc.
LOCK HAVEN. Pennsylvania Pulp and Paper Co., 85 Edison inc.
Merrill & Co., 75 Westinghouse inc.
Wilson Kistler, 75 Brush inc.
LOCUST POINT. Baltimore and Ohio Railroad, 50 Thomson-Houston.
LOGAN. Standard Steel Co., 300 Westinghouse inc.
LONSDALE. Hubner & Son, 50 Mather inc.
LOWER CATASAUQUA. Lotig & Jacoby, 6 Sperry arc.
LYKENS. Lykens Valley Coal Co.
MANSFIELD. Pennsylvania Lead Co., 325 Westinghouse inc.

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MAUCH CHUNK. Lehigh Valley Railroad (Electric Brakes), Storage.
McKEESPORT. National Tube Works, 75 Edison inc.
MELBOURNE. Wm. Sellers & Co., 70 Edison inc.
MIDDLETOWN. American Tube Works, 45 Thomson-Houston.
Schall & King, Thomson-Houston.
Middletown Car Works, 15 Excelsior.
MOUNT HOLLY. Mount Holly Paper Co., 40 Edison inc.
MOUNT JOY. George H. Brown, 75 Sawyer-Man.
MYERSDALE. A. Hirch, 20 Edison inc.
J. S. Graves & Co., 45 Edison inc.
NEW CASTLE. Jas. P. Withrow & Co., 30 Brush arc.
NORTH PENNSYLVANIA JUNCTION. Schaum & Uhlinger, 200 Westinghouse inc.
Jas. Long Bros. & Co., 800 Westinghouse inc.
Phillips, Townsend & Co., 200 Westinghouse inc.
NORRISTOWN. Pennsylvania Tack Works, 200 Westinghouse inc.
McHose, Isaac & Sons, Ball.
James Hooven & Sons, 11 United States.
Norristown Rolling Mills, 10 Thomson-Houston.
OIL CITY. Keystone Oil Co., 75 Brush inc.
OSCEOLA. Justin J. Pie, 30 Ind. Jenney inc.
OXFORD. J. W. Bowman, 100 Thomson-Houston inc.
J. W. Bowman, 150 Westinghouse inc.
PACKERTON. Lehigh Valley Railroad Co., 30 Sperry arc.
Wm. Cramp & Co., 200 Thomson-Houston inc.
Adams Express Co., 35 Thomson-Houston arc.
A. C. Yates & Co., 18 Thomson-Huston arc.
PARKERSBURG. The Parkersburg Iron Co., 150 Westinghouse inc.
PAXINOSA. Paxinosa Inn, 8 Western.
PENCOYD. Pencoyd Iron Works, 300 Westinghouse inc.
PENNSYVANIA LEAD CO'S. STATION. Pennsylvania Lead Co., 300 Brush inc.
PENLLYN. H. Markoe, Edco Storage.
PHILADELPHIA. A. C. Yates & Co., 250 Edison inc.
J. B. Lippincott Co., 150 Edison inc.
Philadelphia "Public Ledger," 350 Edison inc.
Philadelphia "Record," 550 Edison inc.
Philadelphia "Daily News," 100 Edison inc.
Harrison, Frazier & Co., 2,700 Edison and 6 United States inc.
Clark & Kean, 250 Edison inc.
Continental Worsted Mills, 400 Edison.
Fairmount Worsted Mills, 550 Edison inc.
Sellers Hoffman, 75 Edison inc.
Powell Bros., 450 Edison inc.
Yendall & Jones, 225 Edison inc.
W. H. Nixon & Co., 60 Edison inc.
Minchner & Son 50 Edison inc.
Powers & Weightman, 75 Edison inc.
W. G. Pennypacker, 80 Edison inc.
American Ship Building Co., 350 Edison inc.
Bridgeburg Mfg. Co., 200 Edison inc.
Central Railroad Co., 240 Edison inc.
Otto Gas Engine Co., 60 Edison inc.
Belmont Pumping Station, 65 Edison inc.
A. Colburn & Co., 75 Edison inc.
J. Carbutt, 40 Edison inc.
Drexel Building, 1,800 Edison inc.
Erban, Search & Co., 500 Edison inc.
Charles Loof, 100 Edison inc.
Tow-boat "Williams," 12 Thomson-Houston.
I. S. Custer's Sons, 15 Schuyler arc.
Hermetis Fire Brick and Clay Co., 75 Mather inc.
Keen, Sutterle Co. (Ltd.), 250 Westinghouse inc.
Quaker City Cold Storage and Warehousing Co., 500 Westinghouse inc.
H. B. Cutter, 50 Standard Electric Co.
Lipman & Bolton, 100 Standard inc.
McFadden Co., 50 Thomson-Houston inc.
H. Moseback & Co., 200 Thomson-Houston inc.
F. L. Fowler, 50 Thomson-Houston inc.
Hazletine Building, 400 Thomson-Houston inc.
American Baptist Publishing Society.
Wm. Carnif & Sons, 75 Thomson-Houston inc.

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Steamer "H. M. Whitney," 200 Thomson-Houston.
Thos. Devlin & Sons, 10 United States.
Traction Car Co., Ball.
United States Mint, 10 United States.
Williams, Cramp & Son, 10 United States.
Pennsylvania Mutual Co., New Building, 1,000 inc.
Provident Life and Trust Co., Fourth and Chestnut, 1,000 inc.
Morse, Williams & Co., Cohen.
Simon Muhr's Sons, 25 Westinghouse.
Commercial Union Assurance Co., 750 Westinghouse.
"Public Ledger," 600 Edison inc.
Thos. H. Dallet & Co., Ball.
Godshalk & Co., 45 Excelsior.
P. T. Hallahan, 15 American.
Hale & Kilburn Mfg. Co., 65 Thomson-Houston.
James Martin & Co., 12 United States.
Midvale Steel Works, 100 Edison and Thomson-Houston inc.
Novelty Electric Co., 5 Ball.
Pennsylvania Woolen Mills, 50 United States.
Public Buildings, 18 United States.
Philadelphia and Reading Railroad, Thomson-Houston.
Philadelphia Panorama Co., 80 Ft. Wayne Jenney.
J. T. Pearson, 11 Ball.
A. Priestly & Co., 20 Thomson-Houston.
Phœnix Iron Co., Brush and Thomson-Houston.
Reading Railroad Co., 50 Thomson-Houston.
Ridgeway Park, 20 Thomson-Houston.
Sharpless & Sons, 80 United States and 12 Thomson-Houston.
N. Snellenburg & Co., 75 Thomson-Houston.
Chas. Spencer & Co., Thomson-Houston.
South Pennsylvania Railway, Ball.
Sooysmith & Co., 6 United States.
Tevitype Process Co., Thomson-Houston.
Stephen Holbrooke, 75 Westinghouse inc.
C. S. Garrett & Son, 75 Westinghouse inc.
Milbourne Mills, 200 Westinghouse inc.
Dando Printing Co., 150 Westinghouse inc.
Philadelphia Exhaust Ventilator Co., 50 Westinghouse inc.
W. J. McCahan & Co., 150 Westinghouse inc.
John Wanamaker, 300 Van Depoele and 75 Brush.
Orthopædic Hospital, Edco Storage.
J. B. Stetson & Co.'s Mill, Edco Storage.
Electric Dynamic Co., Storage.
American Fire Insurance Co., Edco Storage.
Fidelity Trust Co., Storage.
Pennsylvania Trust Co., Storage.
Provident Life and Trust Co., Edco Storage.
Brown Bros. Building, Edco Storage.
Electric Car Co. of America, Edco Storage.
Sevill Schofield, Son & Co., 50 American arc.
Jacob Reed's Son, 35 American arc.
Isaac Gerson, 15 American arc.
A. Whitney & Sons, 10 American arc.
J. G. Brill & Co., Ball
Centennial Brewery, Ball.
Cyclorama Co., 40 Ball arc.
Lion Brewery, 5 Ball.
Webster & Sons, Ball.
Wanamaker & Brown, 75 Sawyer-Man inc.
Tallman & McFadden, 50 Sawyer-Man inc.
Steamer "Brandywine," 35 Thomson-Houston inc.
Harrison Bros., 100 Mather inc.
Steamer "Ocean," 40 Edison inc.
Steamer "Corama," 150 Edison inc.
Steamer "Maine," Baltimore Storage Lfge. Co., 75 Edison inc.
Steamer "Maryland," Baltimore Storage Lfge. Co., 75 Edison inc.
Steamer "Montana," Baltimore Storage Lfge. Co., 75 Edison inc.
Steamer "Michigan," Baltimore Storage Lfge. Co., 75 Edison inc.
Steamer "Missouri," Baltimore Storage Lfge. Co., 75 Edison inc.
Steamer "Colorado," Philadelphia & Reading Railroad, 40 Edison inc.
Steamer "Schultze," Philadelphia & Reading Railroad, 40 Edison inc.
Steamer "Mascotte," 200 Brush inc.
Folwell Bros. & Co., 530 Brush inc.
Bromley & Sons, 760 Brush inc.

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Knickerbocker Ice Co., 450 Brush inc.
Olympic Skating Rink, 25 Brush inc.
W. W. Montague, 56 Brush inc.
Enterprise Brewing Co., 160 Brush inc.
N. H. Williams, 25 Brush inc.
Wm. Mann, 50 Brush inc.
Wm. Wood & Co., 160 Brush inc.
Stinson Bros. & Kurlbaum, 410 Brush inc.
P. T. Hallahan, 50 American inc.
Edgerton Motor Co , 25 Edison inc.
Philadelphia Water Works, Spring Garden, 205 Edison inc.
J. B. Stetson &. Co., 710 Edison inc.
H. P. Summers, 40 Edison inc.
James A. Wright, 100 Edison inc.
Strawbridge & Clothier, 1,950 Westinghouse inc.
Hoeflich, Ashbridge & Co., 150 Westinghouse inc.
Pennsylvania Railroad Co., 100 Westinghouse inc.
Bergner & Engle Brewing Co., 1,000 Westinghouse inc.
Philadelphia & Camden Ferry Co., 100 Westinghouse inc.
West Jersey Ferry Co., 100 Westinghouse inc.
Baldwin Locomotive Works, 2,600 Westinghouse inc , 100 Thomson-Houston inc. and 75 Edison.
Baugh & Son, 255 Sawyer-Man inc.
Erben, Search Co., 75 Sawyer-Man inc.
Geo. Callaghan, 100 Thomson-Houston inc.
Callaghan & Bros., 275 Thomson-Houston inc.
C. F. Haseltine, 800 Thomson-Houston inc.
Hirsh & Bros., 53 Thomson-Houston inc.
Hood, Bonbright & Co., 950 Thomson-Houston inc.
Jno. Lang, 100 Thomson-Houston inc.
J. C. Graham, 400 Thomson-Houston inc.
Keystone Watch Case Co., 250 Thomson-Houston inc.
Sevill Scofield, Sons & Co., 100 Thomson-Houston inc.
J. S. & T. Elkinton, 66 Thomson-Houston inc.
W. M. Singerly, Yacht "Restless," 34 Thomson-Houston inc.
Ab. Kirschbaum & Co., 15 Westinghouse arc.
Charles Shedaker, 10 Westinghouse arc.
Harrison Bros., 200 Mather inc.
Francis Thron, 250 Mather inc.
W. Buck & Bro., 100 Mather inc.
Colonnade Hotel, 1,000 Mather inc.
Croft & Allen, 25 Schuyler arc.
Gordon, Strobel & Laureau, 20 Schuyler arc.
H. O. Wilbur & Sons, 200 United States inc.
J. T. Bailey & Co., 400 United States inc.
E. C. Knight, 400 United States inc.
John Dallas & Sons, 357 United States inc.
Folwell Bros. & Co., 600 United States inc.
B. L. Solomons & Sons, 375 United States. inc.
Grand Opera House., 900 Edison inc.
National Theatre, 450 Edison inc.
Brownfield & Co., 50 Edison inc.
Beneficial Savings Society Building, 500 Edison inc.
George W. Childs, 250 Edison inc.
Darlington, Runk & Co., 1,250 Edison inc.
Drexel & Co., 220 Edison inc.
Fidelity Insurance Association, 300 Edison inc.
M. & W. H. Nixon, 50 Edison inc.
W. M. Singerly, 300 Edison inc.

PITTSBURGH. Steamer "Mayflower," 75 Edison inc.
Hotel Duquesne, 1,050 Brush inc
E. G. Acheson, 10 Edison inc.
Kaufman Bros., 150 Brush inc.
Pittsburgh Tube Works, 150 Brush inc.
Westinghouse Air Brake Co., 250 Westinghouse inc.
Marshall, Kennedy & Co., 75 Westinghouse inc.
Louis L. Clarke, Storage.
Brace Bros., 10 American arc.
Laughlin & Co., 25 American arc.
J. R. Hendricks, Accumulator.
Coal Valley Coal Co., 1 United States.
Dilworth, Porter & Co., 16 United States.
Grand Lake Coal Co., Thomson-Houston.
Keystone Bridge Co., 20 Thomson-Houston.
Carnegie Bros. & Co., Brush.
Edgar Thomas Steel Co., Brush.
Graff, Bennett & Co., Thomson-Houston.

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Hussey, Howe & Co., Brush.
M. H. Danziger, 30 Brush.
Park Bros., & Co., Brush.
Pittsburgh Steel Casting Co., Brush.
Pittsburgh Hinge Co., Brush.
James Reese, United States.
Siemens Anderson Steel Co., 12 United States.
Standard Nut Co., Brush.
Schoenberger, Speer & Co., Brush.
Penn Tube Works, Brush.
Shaw, Stearns & Norris, Ft. Wayne Jenney.
Power Hall, 500 Edison inc.
Bailey, Farrel & Co., 150 Edison inc.
G. W. Gusky, 60 Edison inc.
E. Groetzinger, 230 Edison inc.
R. P. Nervin, 25 Edison inc.
Leader Publishing Co., 150 Edison inc.
Pittsburgh "Dispatch," 500 Edison inc.
Pittsburgh Electric Co., 50 Edison inc.
Joseph Horne & Co., 150 Edison inc.
S. Hamilton, 300 Edison inc.
Monongahela House, 500 Westinghouse.
Pittsburgh Club, 300 Westinghouse.
Geo. Westinghouse, Jr., 300 Westinghouse.
Louis S. Clark, 50 Westinghouse.

PORT CARBON. Robert Allison, 100 Edison inc.
Franklin Iron Works, 60 Edison inc.
Franklin Iron Works, 50 Edison inc.

POTTSTOWN. Pottstown Iron Co., 60 Edison inc.
Sotter Bros., 25 Edison inc.

POTTSVILLE. Tilt Silk Mills, 900 Edison inc.
Crescent Coal Co., 20 Edison inc.
Jacob Ulmer, 115 Edison inc.
Philadelphia & Reading Coal and Iron Co., 30 Thomson-Houston arc.

RASSELAS. Rasselas Lumber Co., 5 Brush.

RAY HILL. South Pennsylvania Railroad Co., Ball.
Reading Iron Works, Scott Foundry, 32 Ball.
Philadelphia & Reading Railroad, Thomson-Houston.
Seyfert Rolling Mills, 20 Ball.

READING. Grimshaw Bros., 500 Thomson-Houston inc.
Highland House, Storage.
C. M. Groff, 6 Ball.
Wm. McElvain & Sons, 7 Ball.
Reading Iron Works, 65 Brush.

RENOVO. Pennsylvania Railroad Shops, 40 United States.

REYNOLDSVILLE. Reynoldsville Tannery, 86 Thomson-Houston inc.

RIXFORD. Tidewater Pipe Co., 40 Edison inc.

SALTSBURG. Wilson & Fair, 100 Westinghouse inc.

SAYRE. Lehigh Valley Railroad Co., 150 Edison inc.

SCRANTON. Alfred Harvey, 50 Mather inc.
Lackawanna Mills, 300 Edison inc.
Pauly Jail Mfg. Co., 150 Edison inc.
Scranton Forging Co., 75 Edison inc.
Boies Car Wheel Works, 10 Ball arc.
Dickson Mfg. Co., 40 Brush and Fuller.

SEYFERT STATION. Seyfert Rolling Mills, Ball.

SHERMAN. Tidewater Pipe Co. 40 Edison inc.

SLATINGTON. Dr. L. Campbell, Accumulator.

SOUTH BETHLEHEM. Lipps & Sutton, 250 United States inc.
Fattig & Jacoby, 26 Sperry arc.

SOUTH EASTON. Pascoe Bridge Co., 15 Waterhouse and Bearse.

SPRING FORGE. P. H. Glatfelter, 400 Mather inc., and 20 Thomson-Houston arc.

STATE RUN. Tide Water Pipe Co., 40 Edison inc.

STEELTON. Pennsylvania Steel Co., 400 Edison inc.

STEMPTON. Lehigh Car Mfg. Co.

STROUDSBURG. George L. Adams & Co., 75 Brush inc.

TAMAQUA. Weldy & Co., 25 Edison inc.

TARENTUM. Pittsburgh Plate Glass Co., 300 Thomson-Houston inc.

THURLOW. Chester Rolling Mill, 100 Edison, inc.
Chester Oil Co., 50 Thomson-Houston inc.

TRAINER. D. Trainer & Sons, 400 United States inc.

TREICHLERS. Mauser Mill Co., 150 Brush inc.

TYRONE. Morrison & Cass, 600 Westinghouse inc.

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WARREN. E. T. Hazletine, 25 Edison inc.
WASHINGTON. Gibson & Giles, 25 Westinghouse inc.
WAYNESBORO. Frick & Co., 10 United States.
Geyser Mfg. Co., United States and Thomson-Houston.
WEATHERLY. Read & Lovett, 400 Thomson-Houston inc.
WEST NEWTON. Westmoreland Paper Co., 200 Mather inc.
S. B. Markle, 45 Edison inc.
WESTTOWN. Westtown School, 670 Sawyer-Man inc.
WILCOX. Wilcox Tanning Co., 800 Brush inc.
WILKES BARRE. Wilkes Barre Lace Mfg. Co., 25 Westinghouse arc.
S. L. Brown, 75 Mather inc.
WILLIAMSPORT. Edgar Munson, 50 Edison inc.
P. B. Shaw, 60 Edison inc.
Kline Bros. & Co., 50 Edison inc.
Lycoming Tannery, 150 Brush inc.
H. R. Rhoads, Storage.
L. C. Kinsey & Co., Storage.
Queen's Run Fire Brick Co., Thomson-Houston.
WOOD RIVER. W. A. Walton & Co., Wood River Mills.
YORK HAVEN. York Haven Paper Co., 200 Thomson-Houston inc.
YORK. A. B. Farquhar & Son, 32 Thomson-Houston.
York Wire Cloth Co., 250 Thomson-Houston inc.

RHODE ISLAND.

ANTHONY. Coventry Co., 400 Thomson-Houston inc.
BELLEFONTE. Turkey Red Dyeing Co., 50 Edison and 100 Westinghouse inc.
BLOCK ISLAND. Block Island Hotel, 10 American.
BURRILLVILLE. Wm. Tinkham & Co., 6 Thomson-Houston arc.
CAROLINA. Carolina Mills, 50 Mather inc.
CLYDE. S. H. Green & Son, 300 Edison inc.
EAST GREENWICH. Bolton Bleachery, 150 Edison inc.
Phœnix Woolen Mills, Ball.
Joseph Dews, 500 Thomson-Houston inc.
EAST PROVIDENCE. Richmond Paper Co., 160 Edison inc.
FORESTDALE. Forestdale Mfg. Co., 350 Thomson-Houston inc.
HARRISVILLE. Wm. Tinkham & Co., 45 Thomson-Houston.
LA FAYETTE. Rodman Mfg. Co., 44 Fuller and 60 Edison.
MANVILLE. Manville Mfg. Co., 1,200 United States inc.
MANTON. H. A Kimball, 95 Ball.
Manton Mills, Ball.
NARRAGANSETT PIER. J. C. Tucker, Jr., Accumulator, 40 Edison inc.
NEWPORT. Coasters' Harbor Island, 450 Edison inc.
United States Torpedo Station, 75 Edison inc.
OLNEYVILLE. National Worsted Mills, 95 Ball.
PASCOAG. Granite Mills, Ball.
A. L. Sayles, 30 Thomson-Houston arc.
F. L. Sayles & Co., 50 Thomson-Houston arc.
H. M. Wilson, 50 Standard inc.
PAWTUCKET. Slater Cotton Co., 35 Westinghouse arc.
E. Jenckes Mfg. Co., 33 Westinghouse arc.
E. Jenckes Mfg. Co., 150 Edison inc.
D. Goff & Son, 525 Edison inc.
Lorraine Woolen Co., 578 Edison inc.
Slater Cotton Co., 750 Edison inc.
Dunnell Mfg. Co., 45 Ball.
Whittle & Hanrahan, 15 Thomson-Houston arc.
Conant Thread Co., 30 Brush.
PEACEDALE. Peacedale Mfg. Co., Accumulator, 500 Edison inc.
PROVIDENCE. Taft, Weyden & Co., 35 Westinghouse arc.
Providence Worsted Mills, 40 arc and 400 Mather inc.
British Hosiery Co., 400 Mather inc.
Providence Machine Co., 500 Mather inc.
Thornton Worsted Co., 250 Mather inc.
Friends' School, 75 Edison inc.
Narragansett House, 516 Edison inc.
"Rialto," 100 Edison inc.
Providence Worsted Mills, 650 Edison inc.
Riverside Worsted Mill, 224 Edison inc.
Silver Spring Dye and Bleach Co., 250 Edison inc.

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Lockwood & Co., 250 Edison inc.
Thos. Phillips & Co., 52 Edison inc.
E. P. Chapin, 100 Edison inc.
Rice & Hayward, 50 Edison inc.
G. T. Swartz, 875 Edison inc.
American Screw Co., 400 Sawyer-Man inc.
Rumford Chemical Works, 158 Thomson-Houston inc.
E. H. Thurston & Co., 100 Thomson-Houston inc.
Providence Steam Engine Co., 100 Thomson-Houston inc.
Rhode Island Bleachery, 8 arc and 24 Thomson-Houston inc.
H. C. Bowen & Co., 100 Standard inc.
Hopkins, Pomeroy & Co., Storage.
National Worsted Mills, 194 Ball arc.
Lymansville Co., 25 American arc.
Riverside & Oswego Mills, 377 Ball and Brush arc and 400 Thomson-Houston inc.
Weybossett Mill, 108 Ball and Waterhouse.
W. H. Harris Steam Engine Co., Accumulator.
Swerts & Gannett, Accumulator.
J. B. Mason & Sons, 50 Thomson-Houston inc.
American Electrical Works, 7 Excelsior.
Atlantic Mills, 425 Brush.
Berkley Mfg. Co., Brush.
Wm. A. Campbell, Excelsior.
Providence Tool Co., 10 United States.
Rhode Island Locomotive Works, 26 United States.
Wanshuck Mills, Brush.
Steere Worsted Mills, 85 Thomson-Houston.

RIVER POINT. Clyde Bleaching and Print Works, 82 Ball.
SAYLESVILLE. W. F. & F. C. Sayles, 90 Brush.
WAKEFIELD. Rodman Mfg. Co., 150 Edison inc.
WESTERLY. Tyler & Carmichael, 65 Mather inc.
Moss Mfg. Co., 19 Brush.
WICKFORD JUNCTION. Rodman Mfg. Co., 225 Edison inc.
WOONSOCKET. Globe Mills, 600 United States inc.
Lippett Woolen Co., 600 United States inc.
Nourse Mills, 600 United States inc.

SOUTH CAROLINA.

ALLENBORO. D. A. Tompkins Co., 100 Westinghouse inc.
CHARLESTON. Charleston Bagging Co., 8 Brush arc.
Palmer Mfg. Co.
Charleston Oil Co., 5 United States.
CLIFTON. Clifton Mfg. Co., 600 Edison inc.
COLUMBIA. Southern Cotton Oil Co., 150 Westinghouse inc.
State Insane Asylum, 5 Westinghouse arc.
FT. MILL. Ft. Mill Mfg. Co., 300 Edison inc.
GREENVILLE. Greenville Oil and Ice Co., 40 Edison inc.
Cotton Seed Oil Mill, 50 Edison inc.
Huguenot Plaid Mill, 30 Brush arc.
Launean Mfg. Co.
Asbury Sons Gas Works, Thomson-Houston.
W. A. Wright, Ball.
GLENDALE. D. E. Converse & Co., 150 Edison inc.
MARION. Marion Cotton Mills, 50 Loomis inc.
PASCOLET. Pascolet Mfg. Co., 300 Edison inc.
RICHBURG. Fishing Creek Mfg. Co., 75 Edison inc.
SPARTANBURG. Spartan Mills, 800 Thomson-Houston inc.
UNION. Union Oil & Mfg. Co., 45 Edison inc.

TENNESSEE.

CHATTANOOGA. S. R. Read, 500 Mather inc.
Lookout Mountain Hotel, 30 Thomson-Houston arc.
C. E. James & Co., 45 Mather arc.
Consolidated Coal and Iron Co., 5 Ft. Wayne Jenney.
Mission Ridge Land Co., 15 Schuyler.
South Tradegar Iron Co., Fuller.
DYERSBURG. Forked Deer Milling Co., 25 Brush inc.
Dyersburg Oil and F. Co., 40 Edison inc.
GOODRICH. Warner Iron Co , 24 Thomson-Houston arc.
KNOXVILLE. Brookside Mills, 150 Mather inc.

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W. H. Evans & Sons, 200 Mather inc.
Knoxville Woolen Mills, 300 Edison inc.
Southern Car Works, 50 Edison inc.
University, 150 inc.

JACKSON. Jackson Oil Mills, 36 Edison inc.

JELLICO. Jellico Mines.

MARYSVILLE. Marysville Cotton Mills, 75 Edison inc.

MEMPHIS. P. Lowenstein & Brothers, 80 Western and 100 Mather inc.
United States Light House Service, 50 Thomson-Houston inc.
Leurmann's House, 250 Edison inc.
Memphis "Appeal," 115 Edison inc.
De Soto Oil Co., 40 Edison inc.
Valley Oil Works, 40 Edison inc.
Southern Cotton Oil Co., 150 Westinghouse inc.
Steamer "Kate Adams," Memphis, Arkansas and Bends Packet Co., 120 Edison inc.
Steamer "Benton McMillan," Jeff. and Evansville Steamboat Co., 35 Edison inc.

NASHVILLE. Nashville Cotton Co., 250 United States inc.
Water Works Co., 50 Thomson-Houston inc.
Maxwell House, 150 Edison inc.
Nashville Mill Co., 150 Edison inc.
National Mfg. Co., 150 Edison inc.
Kansas City and Memphis Railway and Bridge Co., 50 Westinghouse inc.
B. Lowenstein Brothers, Western.
Milburn Gin and Machine Co., 35 Ind. Jenney arc.
Starr Oil Mill, 10 Ind. Jenney arc.
Oliver, Finnie & Co., 100 Ind. Jenney inc.
Arkansas River Packet Co., 5 Ft. Wayne Jenney.
Chickasaw Cooperage Co., 10 United States.
R. L. Cochrane & Co., Fuller.
K. C. S. & M. R. R., Ft. Wayne Jenney.
Menkin & Co., 60 Western.
Memphis and White River Packet Co., Ft. Wayne Jenney.
National Seed, Oil and Huller Co., 10 Ind. Jenney.
Steamer "Alberta," 4 Ft. Wayne Jenney.
Steamer "R. L. Cobb," 3 Ft. Wayne Jenney.
Nashville Ice Co., 50 Westinghouse inc.
American Mill Co., 300 Ind. Jenney inc.
Glendale Park Co., 10 American.

PINCKNEY. J. Craig McLahnan, 100 Loomis inc.

SHELBYVILLE. B. F. Thomas, 60 Edison inc.
E. Shepard, 30 Ind. Jenney arc.

TRIMBLE. C. C. Mengel, Jr., & Brother.

TEXAS.

AUSTIN. Texas Blind Asylum, 400 Thomson-Houston inc.
Texas State Capital, 600 Thomson-Houston inc.
Texas Deaf and Dumb Asylum, 75 Edison inc.

BRENHAM. Brenham Oil Mills, 40 Edison inc.

CLEBURNE. Owen J. Cooke, Thomson-Houston.

CORSICANA. J. E. Whiteselle, 40 Ind. Jenney arc.
J. M. Whiteselle, 300 Ind. Jenney.
Cameron Roller Mill Co., 30 Ind. Jenney inc.

DALLAS. Howard Oil Co., 100 Edison inc.
Dallas "News," 100 Edison inc.
Dallas Cotton Mills, 100 Edison inc.

EL PASO. El Paso Refining Works, 150 Edison inc.

FERRIS. Mutz & Cassidy, 15 Colburn.

FORT WORTH. E. P. Allis, 75 Edison inc.
Cameron & Tatum, 150 Edison inc.

GALVESTON. Captain Joseph Bartlett, 60 Edison inc.
Galveston "News," 120 Edison inc.
Texas Star Flour Mills, 150 Edison inc.
Galveston Oil Mill, 40 Edison inc.
S. Heidenheimer, 80 Edison inc.

GATESVILLE. Texas State Reformatory, 115 Edison inc.

HOUSTON. Howard Oil Co., 250 Edison inc.
Southern Cotton Oil Co., 300 Westinghouse inc.

LAREDO. Ygnana Smelting Co., 225 Edison inc.

MATAMORAS. F. Armendaiz, 5 Westinghouse arc.

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NAVASOTA. C. L. Budges, inc.
ORANGE. Lutcher & Moore, 200 Westinghouse inc.
PARIS. Culbertson, Gaston & Co., 30 Colburn.
RUSK. Rusk Penitentiary, 300 Westinghouse inc.
SAN ANTONIO. Lone Star Brewing Co., 50 Thomson-Houston inc.
SHERMAN. Sherman Oil and Cotton Co., 75 Westinghouse inc.
Tassey, McCullough & Co., 30 Colburn.
WACO. Waco Oil Works, 75 Edison inc.
Texas Mill and Elevator Co., 30 Ind. Jenney inc.

UTAH.

CASTLE GATE. Castle Gate Mine, 30 Thomson-Houston arc.
GREEN RIVER. Denver and Rio Grande Railroad Co., 150 Brush inc.
OGDEN. Union Depot, 150 Edison.
PARK CITY. Ontario Silver Mining Co., 40 United States.
PROVO. Territorial Insane Asylum, 75 Brush inc.
Lake Park Resort Co., 20 Thomson-Houston arc.
SALT LAKE CITY. Utah and Montana Machine Co., 150 Westinghouse inc.
Germania Lead Works, Brush.
Old Jordan Mining Co., Brush.
Walker House, Brush.
G. F. Gulmer & Bro., 150 Thomson-Houston inc.

VERMONT.

BELLOWS FALLS. Fall Mountain Paper Co., 900 Edison inc.
W. Russell & Co., 50 Thomson-Houston inc.
Winipiseogee Paper Co., 600 Edison inc.
Moore, Adams & Thompson, 75 Brush inc.
BURLINGTON. Burlington "Free Press," 150 Westinghouse inc.
ELY. W. L. Adams, 50 Thomson-Houston inc.
W. A. Woodbury, 5 United States.
OLCOTT FALLS. Wilder & Co., 200 Thomson-Houston inc.
POWNAL. S. Wright, 60 Sawyer-Man inc.
Hoosic Valley Knitting Co., 60 Thomson-Houston inc.
QUECHEE. A. G. Dewey & Co., 225 Edison inc.
RICHFORD. Baker & Hardy Mfg. Co., 15 American arc, Ball.
I. J. Sweat & Co., 10 Thomson-Houston.
SHELBURNE. W. S. Webb, 115 Edison inc.
SPRINGFIELD. J. C. Holmes & Co., 100 Thomson-Houston inc.
WEST RUTLAND. Esperanza Marble Co., 200 Thomson-Houston inc.
Sheldon & Sons, 45 Thomson-Houston arc.
WINOOSKI. Burlington Woolen Co., Brush.

VIRGINIA.

ALEXANDRIA. Portner's Brewery, 60 Sawyer-Man inc.
BATESVILLE. Miller Industrial School, 400 Edison inc.
DANVILLE. Moratoc Mfg. Co., 155 Edison inc.
Riverside Cotton Mills, 369 Edison inc.
LURAY. Luray Caverns, 16 Thomson-Houson.
MARION. South Western Lunatic Asylum, 600 Westinghouse inc.
NEWPORT NEWS. Newport News and Miss. Valley Railroad, 50 Thomson-Houston arc.
NORTH DANVILLE. C. A. Ballou, Thomson-Houston.
NORFOLK. E. L. Tunis Lumber Co., 225 Edison inc.
OLD POINT COMFORT. Hygeia Hotel, 225 Edison inc.
Raymond Hotel, 225 Edison inc.
POCAHONTAS. Norfolk and Western Railroad Co.
PORTSMOUTH. S. and R. Railroad.
PETERSBURG. R. P. Barham, 40 Edison inc.
"Index and Appeal," 40 Edison inc.
Wm. Cameron, 225 Edison inc.
Wm. Cameron & Bros., 250 Edison inc.
J. W. Stearns & Co., 450 Edison inc.
Wm. Levy & Co., 75 Edison inc.
Moses Joy, Jr., Thomson-Houston.
RICHMOND. Gallego Mills, 40 Edison inc.
Gallego Mills, 50 Westinghouse inc.
Richmond Paper Mfg. Co., 125 Edison inc.
Richmond Cedar Works, 106 Edison inc.

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Banner Tobacco Works, Thomson-Houston.
Richmond and Danville Railroad.
ROANOKE. Roanoke Machine Works.
WEST POINT. R. Y. R. and Central Railroad, United States.
WEYER'S CAVE. The Grottoes of the Shenandoah, 650 Westinghouse inc.
WILLIAMSBURG. Eastern Lunatic Asylum, 520 Sawyer-Man inc.
Waterford Knitting Co., 150 Thomson-Houston inc.
Ford & Payne, 100 Thomson-Houston inc.

WASHINGTON.

CASCADE TUNNEL. Bennett & Nelson, Ball.
COLFAX. Wm. Codd, 235 Edison inc.
FALLING WATER. Potomac Pulp Co., 20 Edison inc.
FORT LUDLOW. Puget Lumber Co., 225 Edison inc.
FORT STEILACOOM. Insane Asylum, 250 Edison inc.
COSMOPOLIS. Gray's Harbor Mill Co., 35 Westinghouse arc.
GRAY HARBOR. Washington Lumber Co., 10 Westinghouse arc.
MARTEN. No. Pacific Railroad Co., 300 Edison inc.
ROCK SPRINGS. Union Pacific Railroad Co., Coal Department, 300 Brush inc.
SEATTLE. Merchants' National Bank, 20 Edison inc.
Cascade Steam Laundry, 20 Edison inc.
Steamer "Umatilla," O. Steam Nav. Co., 300 Edison inc.
Steamer "Walla Walla," O. Steam Nav. Co., 300 Edison inc.
Oregon Improvement Co., 35 Westinghouse arc.
Seattle Lumber and Commercial Co., Ball.
SPOKANE FALLS. Wm. Pettit and others, 500 Edison inc.
TACOMA. A. C. Smith, 225 Edison inc.
Nelson Bennett, 50 Ball.
WALLA WALLA. State Penitentiary, 450 Edison inc.

WEST VIRGINIA.

CHARLESTOWN. Steamer "Ida Budd," Western.
HUNTINGTON. Ensign Mfg. Co., 17 United States.
PARKERSBURG. Bentley & Gerwig, 50 Mather inc.
PARKERSVILLE. Camden Consolidated Oil Co., 150 Edison inc.
WHEELING. Wheeling Steel Works, 125 Westinghouse inc.
Steamer "P. T. Leathers," 5 Ft. Wayne Jenney.
Steamer "Stella Wilde," 2 Ft. Wayne Jenney.
WHITE SULPHUR SPRINGS. White Sulphur Springs Hotel, Heisler.

WISCONSIN.

ANTIGO. J. H. Weed, 10 Van Depoele.
APPLETON. H. D. Smith, 250 Edison inc.
J. H. Rogers, 300 Edison inc.
Atlas Paper Co., 100 Westinghouse inc
Kimberly & Clark Co., 75 Westinghouse inc.
ASHLAND. Superior Lumber Co., 150 Edison inc.
Ashland Iron Mining Co., 12 Western arc.
BADGER MILLS. Badger State Lumber Co., United States.
BAYFIELD. R. D. Pike, 100 Sawyer-Man inc.
MILWAUKEE. Kern's Flouring Mills, 80 Edison inc.
C. Manegold & Son, 30 Edison inc.
E. Sanderson & Co., 60 Edison inc.
Chicago, Milwaukee and St. Paul Railroad Co. Shops, 1,000 Edison inc.
Vulcan Iron Works, 40 Edison inc.
E. P. Allis & Co., 50 American, 500 Edison inc.
G. Brunder, 130 Edison inc.
Geo. Zeigler & Co., 150 Westinghouse inc.
T. A. Chapman & Co., 22 Brush.
Milwaukee Exposition Building, 60 Van Depoele.
National Park.
Jno. Plankinton & Co., United States.
H. S. Sutter, 2 United States.
W. W. Sherman, 8 Thomson-Houston.
Jos. Schlitz Brewing Co., 86 Brush.
Wolf & Davidson, 75 Mather inc.
National Soldiers' Home, 400 Edison inc.
Plankinton House, 230 Edison inc.
Grand Opera House, 250 Edison inc.

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Benedict & Co., 35 Edison inc.
Chicago, Milwaukee and St. Paul Railroad Depot, 533 Edison inc.
Milwaukee Exposition Association Building, 600 Edison inc.
North Western Life Insurance Co., 1,200 Edison inc.
Milwaukee "Evening Wisconsin," 200 Edison inc.
Milwaukee County Hospital, 200 Edison inc.
Milwaukee Asylum for the Insane, 800 Edison inc.
Philip Best Brewing Co., 720 Edison inc.
Milwaukee Cement Co., 50 Edison inc.
Pfister & Vogel Leather Co., 453 Edison inc.
H. Winnemacher, 250 Edison inc.
Wolf & Davidson, 75 Mather inc.
T. A. Chapman, 75 Brush inc.
Forristal Crematory and Garbage Works, 100 Western inc.

BAY VIEW. North Chicago Rolling Mills, 7 United States.

BELOIT. W. T. Randall, 50 Thomson-Houston inc.
Eclipse Wind Engine Co., 150 Thomson-Houston inc.
Beloit Straw Board Co., 50 Brush inc.
W. A. Knapp, Ball.
Williams Engine Co., 300 Excelsior inc.

BERLIN. Berlin Machine Works, 90 Edison inc.

BROADHEAD. Broadhead, 200 Edison inc.

EAU CLAIRE. Eau Claire Pulp and Paper Co., 25 Edison inc.
Daniel Shaw Lumber Co., 18 Western.
Rust Owen Lumber Co., 250 Thomson-Houston inc.

FAIRCHILD. T. R. Benton, 100 Ball inc.

FLORENCE. Florence Mining Co., 10 Brush.
N. C. Foster, 100 Ball inc.

FORT ATCHISON. Cornish, Curtis & Green, 150 Thomson-Houston inc.

FORT HOWARD. Anson Eldred Lumber and Mfg. Co., 60 Edison inc.

GREEN BAY. S. J. Murphy & Sons, 163 Edison inc.

HUDSON. Oliver Wendell Holmes Hospital, 150 Mather inc.

JANESVILLE. Pliny Norcross, Thomson-Houston.

JEFFERSON. Jefferson Woolen Mills, 30 Edison inc.

KANKAMEE. Patten Paper Co., 75 Edison inc.

KAUKAUNA. Badger Paper Co., 107 Edison inc.
Frambach Paper Co., 50 Edison inc.

KELLEY MILLS. E. R. Jones, 40 Edison inc.

KENOSHA. Chicago Brass Co., Western.

LA CROSSE. John Paul, 100 Thomson-Houston inc.
McDonald Bros., 25 Ball and Fuller, and 75 Edison inc.
R. A. Gray, Van Depoele.

LAKELAND. C. N. Nelson Lumber Co., 10 United States.

MADISON. Don & Sons, 30 United States inc.
Gilman & Hudson, Thomson-Houston.
C. Gregory, 20 Sperry arc.

MANITOWOC. John Schuette, 1,800 Edison.

MARINETTE. T. H. Whitbeck Co., 30 Brush.
Sawyer, Goodwin & Co., 150 Thomson-Houston inc.

MARSHFIELD. Upham Mfg. Co., 200 Mather inc.
Upham Mfg. Co., 18 Thomson-Houston arc.

MENASHA. Menasha Wooden Ware Co., 140 Edison.
Charles W. Howard, 50 Mather inc.
Gilbert Paper Co., 75 Mather inc.

MENOMINEE. J. D. Hills & Co., 20 Excelsior.
Bay Shore Lumber Co., 100 Thomson-Houston inc.
Doherty & Baars Lumber Co., 100 Thomson-Houston inc.

MERRILL. Merrill Lumber Co., 100 Thomson-Houston inc.

MILWAUKEE. Schlitz Brewing Co., 500 Thomson-Houston inc.
City Milwaukee Water Works, 125 Thomson-Houston inc.
Conway Cabinet Co., 150 Thomson-Houston inc.
Plankington House, 150 Thomson-Houston inc.

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Milwaukee Chip Yard Co., 100 Thomson-Houston inc.
Pabst Brewing Co., 600 Mather inc.
Illinois Steel Co., 50 Thomson-Houston inc.
NEENAH. Kimberley & Chase, 200 Ft. Wayne Jenney inc.
Menasha Wooden Ware Co., 150 Edison inc.
E. F. Wieckert, 500 Mather inc.
NEILLSVILLE. J. L. Gates, 7 Excelsior.
NEW RICHMOND. William Johnston & Co., 25 Edison inc.
PEWAUKEE. Armour & Co., 40 Thomson-Houston arc.
PHILLIPS. Phillips Lumber Co., 20 Sperry arc.
PORTAGE. Lake Tamarack, Osceola, Copper Mfg. Co.
PRAIRIE DU CHIEN. Mrs. N. L. Donsman, 50 Thomson-Houston inc.
RACINE. Racine Hardware Mfg. Co., 300 Thomson-Houston inc.
A. Ellinger & Co., 100 Western inc.
J. I. Case Threshing Machine Co., 20 United States arc.
S. Freeman & Son Mfg. Co., 10 Western arc.
SPARTA. O. I. Newton, 25 Westinghouse inc.
SHEBOYGAN. Phœnix Chair Co., 240 Edison inc.
SHEBOYGAN FALLS. G. H. Brickner, 100 Edison inc.
STILES. Anson Eldred & Son, 75 Edison inc.
TWO RIVERS. Two Rivers Mfg. Co., 285 Edison inc.
WAUPUN. M. D. Wells & Co., 20 Fuller.
State Penitentiary, Fuller.
WAUWATOSA. E. R. Godfrey, 150 Edison inc.
WAUSAU. Alexander Stewart Lumber Co., 60 Edison inc.
Heinemann Bros., 55 Edison inc.
Curtis Bros. & Co., 150 United States inc.
Lehay & Beebe, 10 Van Depoele arc.
B. E. Jones, 50 Edison inc.
WAUKESHA. Wisconsin Railroad Shops, 200 Edison inc.
Arcadian Mineral Spring Co., 25 Edison inc.

WYOMING.

BUFFALO. George T. Beck, 650 Westinghouse inc.
ROCK SPRINGS. Union Pacific Railroad, 20 Brush.

DOMINION OF CANADA.

BRITISH COLUMBIA.

BANFF. Canada Pacific Railway Co.'s Hotel, 350 Edison inc.
ESQUIMAULT. Government Dry Docks, 100 Edison inc.
MIMICO. Mimico Insane Asylum, Ball inc.
NANAIMO. Nanaimo Illuminating Co., Ball inc.
VANCOUVER. Canada Pacific Railway Co.'s Hotel, 450 Edison inc.
Steamer "Algoma," Canada Pacific R. R. Co., 100 Edison inc.
Steamer "Alberta," Canada Pacific R. R. Co., 100 Edison inc.
Steamer "Athabasca," Canada Pacific R. R. Co., 100 Edison inc.
Steamer "Premier," Canada Pacific R. R. Co., 225 Edison inc.
Small & Fisher, 200 Mather inc.

NEW BRUNSWICK.

CHATHAM. I. B. Snowball, 500 Edison inc.
Maritime Chemical Pulp Co., 375 Edison inc.
FREDERICTON. Gibson Cotton Mills, 850 Edison inc.
PORTLAND. Thomas Connor & Sons, 15 Thomson-Houston.
ST. JOHNS. Connelly Rope Works, 12 Thomson-Houston.
Geo. F. Calkins, Ball.
WOODSTOCK. Connell Bros., 300 Edison inc.

NOVA SCOTIA.

HALIFAX. Steamer "Dartmouth," 5 Mather inc.
N. S. Sugar Refinery, 200 Mather inc.

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P. & J. O. Mullen Brewery, Ball arc.
Halifax Sugar Refinery, 225 Edison inc.
Dartmouth Ferry Co., 50 Mather inc.
McDougall & Son, Ball.

TRURO. G. S. Berg, 50 Mather inc.
Dartmouth Rope Walks, 150 Mather inc.

WINDSOR. Windsor Furniture Co., 25 Mather inc.

YARMOUTH. Yarmouth, 50 American arc.

ONTARIO.

ALMONTE. Rosamond Woolen Co., 400 Edison inc.

BARRIE. Peninsular Park Hotel Co., Ball.

BELLEVILLE. C. A. Munson Steam Dredge, 4 Ball.

BRANTFORD. British American Starch Works, 5 arc, 12 Ball inc.
Brantford Cordage Co., 12 arc, 8 Reliance inc.

CAMPBELLFORD. Northumberland Paper Co., Ball.

CARLETON PLACE. P. McLaren, 6 United States.

COBOURG. Crossen, James, Con. Works, 300 Edison inc.

COLUMBUS. Lansdowne Woolen Mills, Ball.

CORNWALL. Stormont Cotton Co., 815 Edison inc.
Canada Cotton Co., 1,200 Edison inc.
Cornwall Mfg. Co., 450 Edison inc.

GALT. Goldrie & McCullough, 100 Edison inc.

GANANOQUE. L. Kunier, 10 Reliance arc.
Skinner & Co., 10 Reliance arc.
Doty Engine Co.

GRIMSBY. Grimsby Park Co., Ball.

GUELPH. Crowe Iron Works, Ball.
George Sleeman, 7 Excelsior.

HAMILTON. Hamilton Tool and Bridge Co., Ball arc.

HULL. Lord Hurdsmanns & Co., 10 United States.

KEEWATIN. Lake of the Woods Milling Co., 125 Edison inc.

KINGSTON. Kingston and Pembroke Railroad Co., Ball.
Kingston Penitentiary, Ball inc.

LAKEFIELD. Lakefield Lumber Mfg. Co., Ball arc.

MARKHAM. Cleghorn Mills, Ball.
Clarry Wool and Mfg. Co., Ball.

MONTREAL. Dominion Bridge Co, Ball arc.
Dominion Barb Wire Co., Ball arc.
Montreal Rolling Mill.

MUSKOKO. Muskoko Mill and Lumber Co., 15 Thomson-Houston.

NAPANEE. Napanee Paper Co., 30 Thomson-Houston and Ball.

NIAGARA. Niagara Chautauqua Assembly, 60 Reliance arc.

ORANGEVILLE. Orangeville Woolen Mills, Ball.
McDonald & Leighton, 31 Thomson-Houston.

OSHAWA. R. S. Williams, Ball arc.

OTTAWA. Parliament Building, 1,200 Edison.
J. R. Booth & Co., 25 Thomson-Houston.
Bronson & Weston, 10 United States.
Canadian Government Canal, 100 Thomson-Houston.
Gilmour & Co., 16 United States.
E. B. Eddy & Co., 45 Brush.
Perlee Pattee, Thomson-Houston.
Levi Young, 10 United States.

OWEN SOUND. Polson Bolt Works, Ball arc.

PECHESE ISLAND. Hiram Walker Residence, 200 Royal inc.

PEMBROKE. W. B. McAllister, 46 United States.

PEMTAUQUESHINE. Muskoko Mill and Lumber Co., 5 United States.

PETERBOROUGH. A. W. Brodie, 15 Thomson-Houston.
Peterborough Bridge Co., Ball arc.
Peterborough Woolen Mills, 16 Reliance.

PORT DOVER. Jonathan Ellis, 20 Reliance arc.
Dominion Woolen Mills, 16 Reliance.

ST. CLAIR. St. Clair Tunnel Co., Ball arc.

TORONTO. Hanlan's Point Ferry Co., Ball.
Long Branch Park Co., Ball.
Massey Mfg. Co., 32 Ball arc.
Moss Park Skating Rink Co., 10 Ball arc.
Ontario Bolt Works Co., 12 Ball arc.
Polson Iron Works Co., 12 Ball arc.
Gooderham & Wortz, 400 Ball inc.
Beatty & Co., 40 Ball inc.

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Globe Printing Co., 150 Edison inc.
Great Northwestern Telegraph Co., 120 Edison inc.
A. R. Williams, 25 American arc.
Dominion Bridge Co., Ball.
Hotel Hanlan (Hanlan's Island), Ball.
Accumulator Co., Ball inc.
Perry Painting Co., Ball arc.

TRENTON. Gilmore & Co., Lumber Merchants, 60 Brush arc.
UXBRIDGE. I. J. Goulds & Bros., Ball.
WATERLOO. Joseph E. Seagram, Ball.

QUEBEC.

BROWNSBURG. Dominion Cartridge Co., 75 Westinghouse inc., 75 Edison inc.
Government Laboratory, 25 Edison inc.
GRIMSBY. Grimsby Camp Ground Co., Ball.
LACHINE. Dominion Bridge Co., Ball.
Reid & Fleming, 6 Thomson-Houston.
LEVIS. Carrier, Laine & Co., 12 Thomson-Houston.
MAGOG. Magog Textile and Print Co., 525 Edison inc.
MONCTON. Intercolonial Railroad, 450 Edison inc.
MONTREAL. Lachine Canal, 176 Edison inc.
Longue Point Insane Asylum, 300 Edison inc.
McGill University, 25 Edison inc.
Pillow, Hersey & Co., 210 Edison inc., 50 Thomson-Houston.
St. Lawrence Sugar Refinery, 400 Thomson-Houston inc.
Montreal Woolen Mills, 300 Thomson-Houston inc.
Canada Pacific Railroad Company Shops, 200 Thomson-Houston inc.
Beaudry Estate, 8 Thomson - Houston arc.
Dominion Barb Wire Co., Ball.
Dominion Bridge Co., Ball.
Bank of Montreal, 350 Edison inc.
Gazette Printing Co., 600 Edison inc.
Canada Sugar Refinery, 350 Edison.
St. Lawrence Sugar Refinery, 200 Edison inc.
R. Gardner & Sons, 60 Edison inc.
A. W. Ogilvie & Co., 75 Edison inc.
M. D. Barr & Co., 150 Edison inc.
Great N. W. Telegraph Co., 125 Edison inc.
Canada Pacific Railroad Co., 20 arc, 800 Thomson-Houston inc.
Grand Trunk Railroad Co., 40 Brush arc.
Harbor Commission, 65 Thomson-Houston arc.
Wm. Angus, Thomson-Houston.
E. P. Britton, 15 Excelsior.
Henry Hogan, Thomson-Houston.

POINT LEWIS. Intercolonial Railway, 150 Edison inc.
SHERBROOKE. Edison Machine Works, 110 Edison inc.
Jenckes Machine Co., 150 Edison inc.
SHERWOOD. Paton Woolen Mfg. Co., 450 Edison inc.
ST. HYACINTHE. "La Compagnie Pour Lectairage," 22 arc, 100 Royal inc.
THREE RIVERS. Hall, Neilson & Co., 150 Edison inc.
VALLEYFIELD. Montreal Cotton Co., 1,050 Edison inc.

MISCELLANEOUS.

Pullman's New York and Chicago Limited, Edco Storage.
Pullman's Jacksonville Limited, Storage.
Pennsylvania Railroad, Storage.
New York, Lake Erie and Western Railroad, Storage
Chicago, Burlington and Quincy Railroad, Storage.
Burlington, Cedar Rapids and Northern Railroad, Storage.
Chicago, Santa Fe and California Railroad, Storage.
Old Colony Railroad, Storage.
Provincial Railway of Buenos Ayres, Edco Storage.
President Geo. M. Pullman's Private Car, Storage.
Austin Corbin's Private Car, Storage.
Mr. Coleman's Private Car, Storage.
Private Car of the Emperor of Brazil, Storage.
Steam Yacht "Susquehanna," Joseph Stickney, Edco Storage.
Steam Yacht "Cora," John A. Morris, Edco Storage.
Steam Yacht "Sagamore," John W. Slater, Storage.

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Steam Yacht "Talisman," W. A. Slater, Storage.
Steamer "Rosedale," Storage.
Pullman's Florida Limited Train, Edco.
Special Car of Cornwall & Lebanon Railroad, Edco.
Golden Gate Vestibule Limited, Storage.
Steamer "Stranger," G. L. Scott, 50 Edison inc.
Steamer "Olivet," Plant Inv. Co., 325 Edison inc.
Brandywine Granite Co., 50 Edison inc.
Steamer "Oliver Bierne," Planters' & Merchants' Packet Co., 80 Edison inc.
Steamer "General Hancock," East Boston Ferries, 50 Edison inc.
Steam Yacht "Sagamore," J. W. Slater, Edison inc.
Steamer "Mason I. Weems," Weems Line, 60 Edison inc.
Steamer "Westmoreland," Weems Line, 60 Edison inc.
Steam Yacht "Sapphire," John Stetson, 75 Edison inc.
Steam Yacht "Meteor," A. E. Bateman, 40 Edison inc.
Anderson & Barr, 25 Edison inc.
Steamer "Chimborazo," Orient Line.
Steamer "Orient," Orient Line.
Steamer "Cotopaxi," Orient Line.
Steamer "Austral," Orient Line.
Steamer "City of Rome," Anchor Line.
Steamer "Alaska," Guion Line.
Steamer "India," British India Steam Navigation Co.
Steamer "Goorkha," British India Steam Navigation Co.
Steamer "Rewa," British India Steam Navigation Co.
Steamer "Manapouri," Union Steamship Co., of New Zealand.
Steamer "Wairarapa," Union Steamship Co., of New Zealand.
Steamer "Invicta," L. C. & D. Railway Co.
Steamer "Lonsdale," Captain James Deane.
Steamer "Faraway," Messrs. Siemens Bros.
Steamer "Mascotte," Gulf of Mexico.

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CENTRAL STATIONS.

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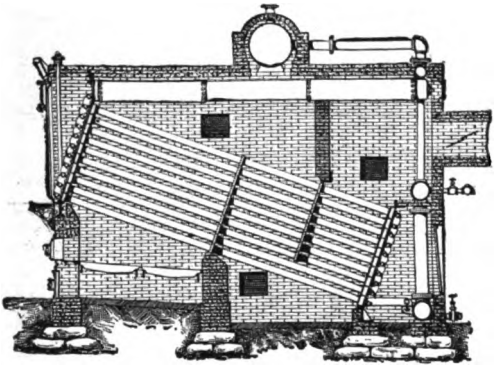

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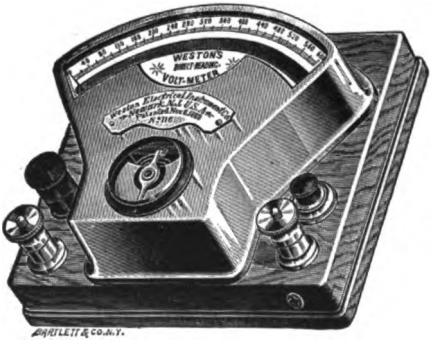

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LIST OF

CENTRAL ELECTRIC STATIONS.

☞ For particulars regarding the financial standing of any of the companies below, see confidential rate sheet.

ALABAMA.

ANNISTON. Anniston Gas and Light Co. Capital stock, $15,000; all paid in. J. C. Sproull, President. J. C. Keith, Secretary. Howard W. Sexton, General Manager. A. A. Jett, Electrician. Annual meeting held in March. 3 Thomson-Houston dynamos. Capacity of station, 100 arc, 650 inc. In use, 59 commercial arc, 20 public street arc. 1 Payne, 1 Armington & Sims engine, Payne and Casey boilers, Schieren belts, K. K. wire, 18 miles street circuits. City pays $90 per light per year for 20 arc of 1,200 candles, burning all of every night. Contract expires in March, 1894. V G.

BESSEMER. Bessemer Electric Co. Capital stock, $50,000; paid in, $30,000. H. F. De Bardeteben, President. Charles M. Avent, Secretary. W. A. Misch, Superintendent and Electrician. Annual meeting held in January. 1 Van Depoele and 2 Mayo dynamos. Capacity of station, 60 arc, 500 inc. In use, 50 commercial arc, 6 public street arc, 400 commercial inc. 1 Ball engine, 3 Ward boilers, Page and Ireson belts, Roebling wire, 1 mile of street circuits. City pays $146 per light per year for 6 arc of 2,000 candles, burning all of every night. S G.

BIRMINGHAM. Birmingham Gas, Electric Light and Power Co. Capital stock, $500,000; all paid in. J. F. B. Jackson, President. B. F. Roden, Secretary and Treasurer. J. M. Bradley, Superintendent and Electrician. Annual meeting held in October. 4 Thomson-Houston inc. and 11 arc dynamos. Capacity of station, 420 arc, 1,600 inc. In use, 327 commercial arc, 98 public street arc, 1,600 commercial inc. 1 Ball, 1 Buckeye and 2 Corliss engines, 3 Lane & Bodley and 3 Williams boilers, Akron belts, Hill clutches, K. K. and Roebling wire, 50 miles of street circuits. City pays $120 per light per year for 98 arc of 2,000 candles, burning all of every night. Contract expires in 1906. G 109.

Merchants' Electric Light and Power Co. Capital stock, $25,000; paid in, $23,000. James H. Little, President. John M. Morris, Secretary. H. K. McCay, Superintendent and Electrician. Annual meeting held in January. Ball dynamos. Capacity of station, 280 arc. In use, 225 commercial arc. 1 150 h. p. Beck engine and boilers, Hill clutches, 25 miles street circuits. Edison Electric Illuminating Co. controls the stock of this company. Lamps are of 800 and 1,200 candle power. P P F.

Edison Electric Illuminating Co. Capital stock, $100,000; all paid in. Leigh Carroll, President. H. K. McCay, Secretary, Superintendent and Electrician. Annual meeting held in January. 4 No. 20, 2 No. 10 Edison, 1 30 arc Sperry and 1 500 light Westinghouse dynamos. Capacity of station, 80 arc, 4,500 inc. In use, 15 commercial arc, 2,500 commercial inc. Taylor engines and boilers, Shultz and Munson belts, Roebling and Edison wire, 10 miles of street circuits. V G.

Stevens Electric Co. 75.

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DECATUR. Decatur Electric Light and Power Co. G 75.

EUFAULA. Eufaula Gas, Electric Light and Power Co. Capital stock, $50,000; all paid in. John W. Fullis, President. Abe Berniger, Secretary. James Ferrier, Superintendent and Electrician. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 6 commercial arc, 25 public street arc, 30 commercial inc. 1 Taylor engine and boiler. K. K. and Underwriters' wire, 8 miles of street circuits. City pays $100 per light per year for 25 arc of 1,200 candles, burning all of every night. Contract expires in May, 1891. V G.

FLORENCE. Florence Gas, Electric Light and Power Co. Capital stock, $5,000; all paid in. E. B. Carnly, President. N. A. Gibson, Secretary. G. W. Swartz, Superintendent and Electrician. Annual meeting held in January. 1 Westinghouse alternating inc. and 2 Waterhouse arc dynamos. Capacity of station, 80 arc, 650 inc. In use, 20 commercial arc, 31 public street arc, 500 commercial inc. Valley and Ide engines, 3 Armstrong boilers, Standard Underground and P. & B. wire, 28 miles of street circuits. City pays $120 per light per year for 31 arc of 1,600 candles, burning every night till midnight. Contract expires in 1914. K F.

GADSDEN. Queen City Electric Light Co. Capital stock, $16,000; paid in, $10,200. W. P. Lay, President. E. P. Hollingsworth, Secretary and Superintendent. J. T. Fulcher, Electrician. Annual meeting held in January. 1 Thomson-Houston and 2 Excelsior dynamos. Capacity of station, 50 arc, 450 inc. In use, 22 commercial arc, 16 public street arc, 450 commercial inc. 1 Atlas engine, 2 Erie City boilers, Ireson belts, 1 Hill clutch, K. K. wire, 10 miles of street circuits. City pays $146 and $180 per light per year for 16 arc of 2,000 candles, burning every night till midnight, and all night. Contract expires in 1897. N G.

HUNTSVILLE. Huntsville Electric Co. Capital stock, $12,000; paid in, $9,000; C. H. Halsey, President. R. S. Halsey, Secretary and Superintendent. Charles Thomas, Electrician. Indianapolis Jenney dynamos. Capacity of station, 30 arc, 300 inc. In use, 14 commercial arc, 4 public street arc, 250 commercial inc. 1 80 h. p. Ball engine, Underwriters' wire. City pays $108 per light per year for 4 arc of 2,000 candles, burning till midnight every night. M M F.

MOBILE. Mobile Electric Lighting Co. James H. Caldwell, President. S. S. Rubin, Vice-President. Henry W. Shields, Secretary. S G 110.

MONTGOMERY. Montgomery Light Co. Capital stock, $250,000. M. L. Moses, President. T. G. Foster, Secretary. W. H. Gesner, Superintendent and Electrician. 4 Brush and 2 Westinghouse dynamos. Capacity of station, 240 arc, 1,500 inc. In use, 40 commercial arc, 760 inc., 100 public street arc. 1 Atlas Corliss, 1 Cummer and 1 Armington boilers, 2 Atlas and 2 Tanner & Delaney engines, Munson belts, K. & K. Okonite wire, 18 miles of street circuits. V H.

NEW DECATUR. Decatur Electric Light and Power Co. Capital stock, $50,000; paid in, $30,000. A. F. Murray, President. W. T. Mulligan, Secretary. J. C. Allen, Superintendent. W. J. Dodge, Electrician. Annual meeting held in July. 8 Thomson-Houston dynamos. Capacity of station, 50 arc, 600 inc. In use, 20 commercial arc, 8 public street arc, 550 commercial inc. Payne, Corliss and Ball engines, Payne boilers, Shultz and Munson belts, Clark and Underwriters' wire, 12 miles of street circuits. City pays $100 per light per year for 6 arc of 1,200 candles, burning all of every night. Contract expires annually in November. Ju.

OPELIKA. Opelika Electric Light and Power Co. M G 75.

SELMA. Selma Gas and Electric Light Co. Capital stock, $31,000; all paid in. John R. Kenan, President. H. Harthan, Superintendent. Annual meeting held in January. 8 Thomson-Houston dynamos. Capacity of station, 80 arc. In use, 25 commercial arc, 50 public street arc. Ball engines, Akron belts, 11 miles of street circuits. City pays $120 per light per year for 50 arc of 2,500 candles, burning on moon schedule. Contract expires in March, 1892 V G.

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SHEFFIELD. Sheffield Electric Light Works. Capital stock, $50,000; all paid in. Owned by Sheffield Land, Iron and Coal Co. Ross Hall, Superintendent and Electrician. Annual meeting held in April. 2 Westinghouse dynamos. Capacity of station, 2,000 inc. In use, 1,200 commercial inc., 113 public street inc. 2 Westinghouse engines, 2 Erie boilers, Schieren belts, Okonite wire, 7 miles street circuits. City pays $12.07 per light per year for 113 inc. of 16 candles, burning all of every night. Contract expires in 1898. X X H.

TUSCALOOSA. Tuscaloosa Gas, Electric Light and Power Co. Capital stock, $20,000; all paid in. Geo. A. Searey, President. John Daniels, Secretary and Treasurer. J. K. Maxwell, Superintendent. H. E. Ross, Electrician. Annual meeting held January 1. Thomson-Houston dynamos. Capacity of station, 50 arc, 650 inc. In use, 4 commercial arc, 14 public street arc, 51 commercial inc. Taylor engines and boilers, K. K. wire, 1½ miles of street circuits. City pays $100 per light per year for 13 arc of 1,200 candles, burning all of every night. Contract expires January 1, 1891. Ju.

TUSCUMBIA. Tuscumbia Electric Light and Water Co. E. L. Bickley, President. H. S. Kirkpatrick, Superintendent. L. E. Fox, Electrician. Thomson-Houston dynamos. Capacity of station, 30 arc, 250 inc. In use, 8 public street arc. Russell engine and boiler. City pays $125 per light per year for 8 arc of 2,000 candles, burning all of every night. Contract expires in April, 1892. K F.

ARKANSAS.

CAMDEN. Camden Electric Light and Power Co. Capital stock, $50,000; paid in, $6,500. S. Q. Sevier, President. J. B. Friedheim, Secretary. Henry Rogers, Superintendent and Electrician. Annual meeting held in December. 1 Thomson-Houston dynamo. Capacity of station, 30 arc. In use, 15 commercial arc, 5 public street arc. 1 Ball engine, Ireson belts, Candee wire, 4 miles of street circuits. City pays $180 per light per year for 5 arc of 1,200 candles, burning all night on moon schedule. Contract expires in 1915. G 111.

FAYETTEVILLE. Fayetteville Electric Light and Power Co. Capital stock, $36,000; paid in, $9,000. E. B. Harrison, President. J. F. Mayes, Secretary. R. M. Gardner, Superintendent and Electrician. Annual meeting held in January. 1 Heisler dynamo. Capacity of station, 300 (30 c. p.) inc. In use, 225 commercial inc. 1 Atlas engine and boiler, Grimshaw wire. N G.

FORT SMITH. Fort Smith Gas Light Co. Capital stock, $150,000; paid in, $120,000. Martin Theurer, President. George Sengel, Secretary. W. J. Johnston, Superintendent. Grant Drake, Electrician. Annual meeting held in January. 1 Thomson-Houston, 1 Van Depoele, 2 United States dynamos. Capacity of station, 95 arc, 400 inc. In use, 60 commercial arc, 400 commercial inc. Atlas engines, Munson belts, 8 miles of street circuits. V V H.

HELENA. Helena Electric Light and Power Co. Capital stock, $25,000; all paid in. James Summers, President. F. B. Oliger, Secretary. L. P. Maxfield, Superintendent. P. Rawlins, Electrician. Annual meeting held in May. 1 Van Depoele dynamo. Capacity of station, 60 arc. In use, 40 commercial arc, 14 public arc. 1 Atlas engine, 1 Atlas boiler, 5 miles of circuits. R R G.

HOPE. Town of Hope. 75.

HOT SPRINGS. The Hot Springs Electric Light Co. Capital stock, $50,000; all paid in. Ed. Hogaboon, President and Superintendent. E. F. Klien, Secretary. P. E. O'Neil, Electrician. Annual meeting held July 20. 4 Westinghouse dynamos. Capacity of station, 40 arc, 900 inc. In use, 12 commercial arc, 800 inc., 20 public arc. 2 Westinghouse engines, 3 Robinson (Boston) boilers, Hale belts, Okonite wire, 18 miles of circuits, 6 Hill clutches. V G.

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LITTLE ROCK. City Electric Light Plant. Cost, $80,000. W. H. Hinkle, Superintendent. 2 Ft. Wayne Jenney dynamos. Capacity of station, 120 arc. In use, 111 public street arc. 1 Hamilton-Corliss engine, 2 boilers, 4 Hill clutches, 26 miles of street circuits. X 112.

Edison Electric Light and Power Co. Capital stock, $100,000; paid in, $49,000. Nick Peay, Secretary. A. S. Van De Mark, Superintendent and Electrician. Annual meeting held in April. 4 Edison dynamos. Capacity of station, 3,200 inc. In use, 2,880 commercial inc. 2 Armington & Sims engines, 2 Pond boilers, Shultz and Schieren belts, 16 miles of street circuits. 80.

Little Rock Electric Light Co. Owned by Pulaski Gas Co. W G.

MAMMOTH SPRINGS. Mammoth Springs Water, Light and Motor Co. Capital stock, $5,000. Robert Green, President. E. F. Brock, Secretary. Annual meeting held in January. 1 Western dynamo. Capacity of station, 120 inc. In use, 120 commercial inc. Water power, Munson, Jewell and Schieren belts. Y H.

PINE BLUFF. Pine Bluff Water and Light Co. Capital stock, $300,000. J. F. Thompson, President. N. J. Thompson, Secretary. W. P. Thompson, Superintendent. J. H. Aitkin, Electrician. 3 Thomson-Houston, 2 Westinghouse dynamos. Capacity of station, 70 arc, 2,000 inc. In use, 41 commercial arc, 6 public street arc, 1,300 commercial inc., 120 public street inc. 1 Russell, 2 Armington & Sims engines, Pond boilers, Munson belts, K. K. and Roebling wire, 60 miles of street circuits. City pays $180 per light per year for 6 arc of 2,000 candles, and $21 for 120 inc. of 25 candles, burning all of every night. Contract expires in 1896. Ju.

STUTTGART. Stuttgart Improvement Co. Not yet in operation.

TEXARKANA. Texarkana Gas and Electric Light Co. Capital stock, $200,000; paid in, $125,000. E. N. Maxwell, President. F. E. Walters, Secretary. Boyd Anderson, Electrician. Annual meeting held in February. 4 United States, 2 Van Depoele dynamos. Capacity of stations, 120 arc, 1,500 inc. In use, 30 commercial arc, 26 public street arc, 1,100 commercial inc. 2 Ball engines, Heine boilers, Hall & Brown belts, Underwriters' wire, 20 miles of street circuits. City pays $160 per light per year for 26 arc of 2,000 candles, burning all of every night. Contract expires in 1919. Y H.

ARIZONA.

PHŒNIX. Phœnix Electric Light Co. Capital stock, $100,000; paid in, $31,000. T. W. Hine, President. H. Ohinck, Secretary and Superintendent. W. B. Palmerley, Electrician. Annual meeting held in February. 2 Brush dynamos. Capacity of station, 45 arc, 600 inc. Buckeye engines and boilers, "Electric" belts, Grimshaw wire, 5 miles of street circuits. F 85.

CALIFORNIA.

ALAMEDA. Plant partially owned by city. James Millington, City Clerk. W. M. Goldthwaite, Electrician. 120 lights of 2,000 candle power. Jenney system.

AUBURN. Bell & Hill. 75.

BENICIA. Benicia Electric Light Co. 75.

BERKELEY. Berkeley Electric Co. 75.

CHICO. Chico Gas Co. Capital stock, $50,000; paid in, $35,000. G. W. Dorr, President and Superintendent. W. J. Costar, Secretary. A. J. Porter, Electrician. Annual meeting held in January. 2 Westinghouse dynamos. Capacity of station, 70 arc. In use, 30 commercial arc, 30 public street arc. 1 Ball engine, 2 boilers, Cook belts, Weatherproof wire, 8 miles of street circuits. City pays $120 per light per year for 30 arc of 2,000 candles, burning till midnight every night. Contract expires in December, 1890. G 85.

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EAST BERKELEY. East Berkeley Electric Light Co. 75.

EUREKA. Eureka Electric Light Co. Capital stock, $50,000; all paid in. Solomon Cooper, President. Chas. P. Hanley, Secretary and Superintendent. F. W. Fawcett, Electrician. Annual meeting held in May. 4 Brush dynamos. Capacity of station, 120 arc. In use, 60 commercial arc, 25 public street arc. 2 Ball engines, 3 boilers, Munson belts, P. & B. and Roebling wire, 8 miles of street circuits. City pays $144 per light per year for 25 arc of 2,000 candles, burning on moon schedule. V G.

FORT BRAGG. Fort Bragg Electric Light Co. 75.

FRESNO. Fresno Gas and Electric Light Co. Capital stock, $500,000. Lewis Clark, President. E. C. White, Secretary. Danville Decker, Superintendent. Annual meeting held in December. Waterhouse dynamos. Capacity of station, 140 arc, 650 inc. In use, 122 commercial arc, 22 public street arc, Ideal engines, various wires, 15 miles of street circuits. City pays $144 per light per year for 22 arc of 2,000 candles, burning till 1 A. M. on moon schedule. Contract expires in February, 1895. S. G.

GRASS VALLEY. Grass Valley Gas and Electric Light Co. John Glasson, President. O. S. Hays, Electrician. Two Waterhouse dynamos. Capacity of station, 70 arc. In use, 18 commercial arc, 14 public street arc, 150 (series) commercial inc. Pelton 18 inch waterwheels, rubber belts, Underwriters' wire, 8 miles of street circuits. City pays $100 per light per year for 14 arc of 1,500 candles, burning till midnight on moon schedule. Contract expires in December, 1890. G 85.

HAYWARDS. Haywards Electric Light Co. Capital stock, $20,000; all paid in. S. D. Ingram, President. Daniel Chisholm, Secretary. Jas. H. Farrell, Superintendent. C. W. Jones, Electrician. Brush and Westinghouse dynamos. Capacity of station, 80 arc, 500 inc. In use, 12 commercial arc, 12 public street arc, 500 commercial inc. 1 Waterhouse engine, 2 Fulton boilers, Munson belts, 6 miles of street circuits. City pays $144 per light per year for 12 arcs of 2,000 candles, burning till midnight on moon schedule. Contract expires in August, 1893. Ju.

LIVERMORE. Plant owned by city, and operated in connection with flour mill. Plant purchased June 1, 1888. 12 arc, 2,000 candle power lights. Waterhouse system. Jacob Hanrice, Mayor.

LOS ANGELES. The Los Angles Electric Co. Capital stock, $150,000. W. B. Cline, President. W. R. Blackman, Secretary. James Warren, Superintendent and Electrician. Annual meeting held in October. 12 Brush dynamos. Capacity of station, 520 arc. In use, 240 commercial arc, 196 public street arc. Myers & Hamilton and Corliss engines, Hazleton boilers, Degen belts, Roebling wire, 68 miles of street circuits. City pays 62 and 92 cents per light per night for 189 arc of 2,000 and 3,000 candles, burning on moon schedule. Contract expires in January, 1891. W W G 113.

LOS GULICAS. Water, Light and Improvement Co. 75.

MAYSVILLE. Maysville Gas Co. Capital stock, $———; paid in, $100,000. F. E. Knight, President and Superintendent. A. Clark, Secretary. Geo. Almont, Electrician. Annual meeting held in July. 2 Brush dynamos. Capacity of station, 60 arc. In use, 56 commercial arc, 17 public street arc. Valley engine, 1 100 h. p. locomotive boiler, Munson belts, 6 miles of street circuits. City pays $192 per light per year for 17 arc of 2,000 candles, burning on moon schedule. Contract made in 1889 for two years. V V H.

MERCED. Merced Electric Light Co. Capital stock, $100,000; all paid in. W. E. Dean, President. D. C. Bates, Secretary. A. C. Swain, Superintendent and Electrician. Annual meeting held in January. 1 Heisler dynamo. Capacity of station, 225 inc. In use, 180 commercial inc. 1 50 h. p. Ball engine, Keystone portable boiler, oak leather belts, Roebling wire, 4 miles of street circuits. W G.

NAPA. Napa Electric Light Co. Capital stock, $50,000; paid in, $40,000. Henry C. Hyde, President. John Lloyd, Secretary. Robert A. Simon, Superintendent and

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Electrician. 8 Ball and 1 Heisler dynamos. Capacity of station, 75 arc, 29 public street arc, 190 inc. In use, 29 commercial arc, 168 inc. Beck engine, Atlas boiler, Munson belts, assorted wire, 18 miles of street circuits, Herman Sims clutches. Ju.

OAKLAND. Oakland Electric Light and Motor Co. Capital stock, $200,000; paid in, $150,000. Fisher Ames, President. W. P. Melvin, Secretary. Walter Eastman, Superintendent and Electrician. Annual meeting held in November. 6 Brush dynamos. Capacity of station, 250 arc. In use, 150 commercial arc. 1 Buckeye engine, 3 Belmor boilers, Degen belts, 8 Cristy clutches, Roebling wire, 18 miles of street circuits. Ju.

Oakland Gas, Light and Heat Co. Capital stock, $8,000,000. Joseph T. Eastland, President. John A. Britton, Secretary. Van L. Eastland, Superintendent. David Wilker, Electrician. Thomson-Houston dynamos. Capacity of station, 1,000 arc, 5,000 inc. In use, 50 public street arc. 1 Hamilton-Corliss, 1 Armington & Sims and 1 Rider engines, 10 boilers, 16 Hill clutches, Simplex, Roebling and Grimshaw wire. City pays $126 per light per year for 50 arc of 2,000 candles, burning every night till midnight. Contract expires in 1890. H 85.

PASADENA. Pasadena Electric Light and Power Co. Capital stock, $50,000. M. E. Wood, President. L. C. Torrence, Secretary and Superintendent. Annual meeting held in March. Thomson-Houston dynamos. Capacity of station, 50 arc, 1,200 inc. In use, 35 public street arc, 600 commercial inc. Sioux City engines, L. P. Degen belts, Hill clutches, Roebling wire, 12 miles of street circuits. City pays 50 cents per light per night for 35 arc of 1,200 candles, burning till midnight on moon schedule. F 114.

PETALUMA. Petaluma Electric Light and Power Co. 75.

POMONA. Pomona Gas and Electric Light Co. Capital stock, $50,000. H. A. Palmer, President. H. S. Finney, Secretary. C. M. Converse, Superintendent. Plant under construction. P F.

RED BLUFF. Red Bluff Electric Light and Gas Co. Capital stock, $100,000. J. S. Cone, President. S. C. Granpner, Secretary and Manager. Annual meeting held in January. 2 Brush dynamos. Capacity of station, 60 arc. In use, 39 commercial arc, 6 public street arc, 65 (series) commercial inc. Water power, Hoyt belts, Roebling wire, 21 miles of street circuits. City pays $216 per light per year for 6 arc of 1,200 candles, burning all of every night. Contract expires annually in January. Dynamo station is eight miles from town. W H.

RED WOOD. Red Wood City Electric Light Co. 75.

SACRAMENTO. Capital Gas Co. Capital stock, $500,000. B. W. Steinman, President. C. H. Cummings, Secretary. J. C. Pierson, Superintendent and Electrician. Annual meeting held in January. 4 Brush, 8 Thomson-Houston, 2 Waterhouse, 2 Westinghouse dynamos. Capacity of station, 400 arc, 1,500 inc. In use, 250 commercial arc, 45 public street arc, 1,400 commercial inc. 1 San Francisco Tool Co., 1 Reynold's Corliss and 3 Armington & Sims engines, 5 Cunningham and 3 Babcox & Wilcox boilers, Degen belts, Standard Underground and Clark wire, 26 miles of street circuits. City pays $177 per light per year for 125 arc of 2,000 candles, burning all of every night but 4 per month. Contract expires in January 1892. Z Z H.

Electric Light Co. Capital stock, $100,000. J. M. Avery, President. E. P. Figg, Secretary. W. R. Rawlinson, Superintendent and Electrician. 155 Brush lights. Owned by Capital Gas Co.

Central Electric Co. O 75.

SALINAS CITY. Salinas City Gas and Water Co. Capital stock, $60,000; all paid in. J. B. Iverson, President. R. L. Porter, Secretary. Frank B. Day, Superintendent and Electrician. Annual meeting held in June. 1 Thomson-Houston dynamo. Capacity of station, 30 arc. In use, 10 commercial arc, 10 public street arc. 1 Westing-

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house engine, Enright boiler, Degen belts, Roebling wire, 6 miles of street circuits. City pays $120 per light per year for 10 arc of 1,200 candles, burning on moon schedule. Contract expires in January, 1891. V G.

SAN BERNARDINO. The Electric Light and Power Co. J. M. Livingston, President. C. O. G. Miller, Secretary. W. B. Cline, General Manager. V. G. Longden, Electrician. 1 Brush, 1 Westinghouse and 4 Indianapolis Jenney dynamos. Capacity of station, 150 arc, 1,000 inc. In use, 66 commercial arc, 29 public street arc, 225 commercial inc. Water power, Degen belts, 4 Hill clutches, K. K. and Roebling wire, 60 miles of street circuits. City pays $180 per light per year for 28 arc of 2,000 candles, burning all night on moon schedule. G 85.

SAN DIEGO. Electric Rapid Transit Street Car Co. Capital stock, $800,000; paid in, $100,000. George D. Copeland, President and Manager. Clement A. Copeland, Secretary. Annual meeting held in June. 4 Westinghouse dynamos. Capacity of station, 1,500 inc. In use, 625 commercial inc. 1 Hamilton-Corliss engine, 2 Baker boilers, Ireson belts, Hill clutches, 5 miles of street circuits. 80.

San Diego Gas and Electric Light Co. Capital stock, $500,000. D. C. Reed, President. R. M. Powers, Secretary and General Manager. L. M. Vance, Electrician. 400 arc and 1,000 inc. of Ind. Jenney system. 2 Buckeye and 1 Hamilton-Corliss engine. W G.

SAN FRANCISCO. California Electric Light Co. Capital stock, $5,000,000; paid in, $500,000. P. B. Cornwall, President. Geo. H. Roe, Secretary. E. A. Roe, Superintendent. F. E. Smith, Electrician. Annual meeting held in July. 40 Brush and 6 Thomson-Houston dynamos. Capacity of station, 2,500 arc, 2,000 inc. In use, 1,400 commercial arc, 300 public street arc, 1,000 commercial inc. Armington & Sims, Meyer, Rider, Savage & Sons and Union Iron Works engines, Hamilton & Leach and other boilers, Hoyt and Munson belts, 37 Christie Telescope clutches, weatherproof wire, 300 miles of street circuits. City pays 55 cents per light per night for 197 arc of 2,000 and 4,000 candles, burning all of every night. Contract expires in June 1891. Z Z H 115.

Electric Improvement Co. Capital stock, $500,000; paid in, $115,000. C. W. McArfee, President. J. Gutte, Secretary. Hyde R. Bowie, Superintendent. Geo. B. Fraley, Electrician. Annual meeting held in April. 6 Wood dynamos. Capacity of station, 365 arc. In use, 315 commercial arc, 30 public street arc, 16 (series) commercial inc. 1 Beck and 1 Westinghouse engine, 8 boilers, link, leather and Schieren belts, Hill clutches, weatherproof wire, 25 miles of street circuits. State pays $163.80 per light per year for 30 arcs of 2,000 candles, burning all of every night. Contract expires annually in February. Ju.

Edison Electric Light Co. 75.

Keith Electric Co. 75.

SAN JOSE. San Jose Light and Power Co. Capital stock, $1,000,000; paid in, $875,000. Adam Riehl, President. W. W. Gillespie, Secretary and Superintendent. W. E. Crowner, Electrician. Annual meeting held in June. 10 Brush dynamos. Capacity of station, 270 arc, 1,000 inc. In use, 260 commercial arc, 100 public street arc, 900 commercial inc. Allis and Fulton engines, 5 boilers, Munson, Hoyt and Degen belts, Christy clutches, 20 miles of street circuits. City pays $150 per light per year for 100 arc of 2,000 candles, burning on moon schedule. Contract expires in October, 1890. Z Z H.

SAN LUIS OBISPO. San Luis Obispo Electric Light Co. Capital stock, $25,000; paid in, $10,600. Geo. Steele, President. J. D. Armstrong, Secretary and Superintendent. Annual meeting held in April. 3 Thomson-Houston dynamos. Capacity of station, 54 arc, 650 inc. In use, 35 commercial arc, 8 public street arc, 300 commercial inc. Roebling wire, 10 miles of street circuits. G 80.

SAN PEDRO. San Pedro Electric Light and Power Co. 75.

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SAN RAFAEL. San Rafael Gas and Electric Light Co. Allen Lee, President. S. B. Curshen, Secretary. B. C. Roos, Superintendent. 2 Brush dynamos. Capacity of station, 60 arc. In use, 1 commercial arc, 39 public street arc. Ohmen engine, Hazleton boilers, Munson belts, 14 miles of street circuits. City pays $156 per light per year for 39 arc of 2,000 candles, burning all night, and till midnight on moon schedule. Contract made in 1888 for five years. Lights the State Prison at San Quentin with 12 lights, included in above. H 85.

SANTA BARBARA. Santa Barbara Electric Light Co. Capital stock, $50,000; paid in, $40,000. Geo. W. Coffin, President. A. B. Williams, Secretary and Superintendent. A. W. Henkle, Electrician. Annual meeting, November 1. 3 Thomson-Houston dynamos. Capacity of station, 125 arc. In use, 42 public arc, 88 commercial arc. 2 Buckeye and Corliss engines, high speed, 2 boilers, Brownell & Co., Roebling wire, 25 miles of circuits, rawhide leather belts, riveted. S S H.

SANTA CRUZ. Santa Cruz Electric Light and Power Co. Capital stock, $75,000; paid in, $50,000. H. H. Clark, President. Fred. W. Swanton, Secretary. C. E. Lilly, Superintendent and Electrician. Annual meeting held in January. 2 Brush dynamos. Capacity of station, 1,800 inc. In use, 1,100 commercial inc. 1 80 horse power Taylor, 1 200 horse power Corliss engines, 2 Atlas boilers, Degan belts, shield brand wire, 4 miles of street circuits. Ju.

City Electric Light Plant. 75.

SANTA ROSA. Santa Rosa Lighting Co. J. M. Livingston, President. W. B. Cline, Secretary. J. P. Berry, Superintendent. A. G. Murdock, Electrician. 3 Thomson-Houston dynamos. Capacity of station, 95 arc. In use, 56 public, 51 commercial arc, 1 Cummer engine, 2 tubular boilers, leather belts, Underwriters' wire, about 10 miles of circuits, 4 Hill clutches. R. H.

STOCKTON. Stockton Gas, Light and Heat Co. Capital stock, $250,000; all paid in. Jas. G. Eastland, President. Alfred T. Eastland, Secretary. Henry Adams, Superintendent and Manager. John T. Kincade, Electrician. Annual meeting held in January. Eight Jenney and Slattery dynamos. Capacity of station, 240 arc, 1,000 inc. In use, 29 commercial arc, 111 public street arc, 400 commercial inc. 1 200 h. p. Ryder, one 125 h. p. Ohman engine, 3 steel boilers, Degan belts, Clott and Messe clutches, Roebling wire, 24 miles of street circuits. City pays $165 per light per year for 122 arc of 2,000 candles, burning all of all dark nights. Contract expires April 1, 1891. G 85.

ST. HELENA. St. Helena Electric Light and Power Co. Capital stock, $10,000; all paid in. H. M. Pond, President. W. A. Mackinder, Secretary. L. Duckworth, Superintendent and Electrician. Annual meeting held in July. 2 Westinghouse dynamos. Capacity of station, 20 arc, 500 inc. In use, 3 commercial arc, 2 public street arc, 300 commercial inc. 80.

TRUCKEE. Truckee Electric Light and Power Co. Capital stock, $10,000. T. B. Whitney, President. C. F. Sonne, Secretary. T. B. Whitney, Superintendent. Water power. 1 Brush arc dynamo. Capacity, 45 lights. P G.

VISALIA. Visalia Gas, Light and Heat Co. Capital stock, $40,000; paid in, $36,000. V. D. Knupp, President. Geo. Thomson, Secretary. J. C. Woodward, Superintendent. F. F. Raymond, Electrician. 1 Thomson-Houston alternating dynamo. Capacity of station, 650 inc. In use, 720 commercial inc. One 100 h. p. Beck engine, 2 Atlas boilers, Degen belts, Simplex wire, 4 miles of street circuits. S G.

WOODLAND. Woodland Electric Light, Gas and Power Co. Capital stock, $50,000; paid in, $38,000. W. W. Brownell, President. C. W. Bush, Secretary. O. J. Cheyney, Superintendent, Electrician and Manager. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 90 arc. In use, 70 commercial arc, 14 public street arc. One Armington & Sims engine, 1 Risdon Iron Works boiler,

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Dakins belts, Roebling wire, 8 miles of street circuits. City pays $100 per light per year for 14 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires in June, 1891. Ju.

YREKA. Yreka Gas Light Co. 75.

COLORADO.

ALAMOSA. Alamosa Electric Light Co. 75.

ASPEN. The Roaring Fork Electric Light and Power Co. Capital stock, $200,000; all paid in. H. P. Cowenhoven, President. James H. Devereux, Secretary. C. E. Doolittle, Superintendent and Electrician. Annual meeting held in January. 2 Edison, 2 Westinghouse, 5 Brush dynamos. Capacity of station, 180 arc, 2,300 inc. In use, 120 commercial arc, 30 public street arc, 2,100 commercial inc. 8 150 h. p. Pelton water wheels, Schieren belts, Roebling wire, 6 miles of street circuits. City pays $180 per light per year for 30 arc of 2,000 candles, burning all of every night. Contract expires in April, 1892. G 85.

BLACK HAWK. Gilpin County Light, Heat and Power Co. Capital stock, $25,000; all paid in. A. Richard, President. T. B. Stearns, Secretary. John Brannan, Superintendent and Electrician. Annual meeting held in December. 2 Westinghouse dynamos. Capacity of station, 900 inc. In use, 700 commercial inc., 22 public street inc. 2 Armington & Sims engines, 2 Garstang boilers, American belts, Roebling wire, 1¼ miles of street circuits. City pays $56 per light per year for 22 inc. of 25 candles, burning all night on moon schedule. Contract expires July 1, 1891. Ju.

BOULDER. Boulder Electric Light Co. Capital stock, $25,000; paid in, $22,500. J. L. Bond, President. J. H. Nicholson, Secretary. J. D. Mason, Superintendent. Annual meeting held in October. 3 Thomson-Houston dynamos. Capacity of station, 30 arc, 800 inc In use, 25 commercial arc, 5 public street arc. 2 100 h. p. Ball engines, 2 Erie boilers, Munson belts, Roebling wire, 5 miles of street circuits. City pays, $144 per light per year for 5 arc of 1,200 candles, burning every night till midnight. Contract expires in January, 1891. P G.

BUENA VISTA. Buena Vista Electric Light Co. Capital stock, $15,000. John Tipton, President. H. H. Daniels, Secretary and Superintendent. C. W. Corbett, Electrician. Annual meeting held in December. 1 Heisler dynamo. Capacity of station, 450 inc. In use, 250 commercial inc., 22 public street inc. 5 miles of street circuits. City pays $60 per light per year for 22 inc. of 30 and 60 candles, burning all of every night. Contract expires in January, 1894. P G.

CANON CITY. Canon Thomson-Houston Electric Co. Capital stock, $48,000; all paid in. Frank P. Blake, President. Sylvin A. B. Dewy, Secretary. 2 Thomson-Houston dynamos. Capacity of station, 60 arc. In use, 30 commercial arc and 6 public. Westinghouse engine, Beryll (of Fairbanks & Co.'s) boilers, Underwriters' and Trinidad wire, about 2 miles of circuits. Only company in city. Ju.

COLORADO SPRINGS. El Paso Electric Co. Capital stock, $250,000; paid in, $125,000. C. H. White, President. O. L. Godfrey, Secretary. E. E. Wade, Superintendent. Annual meeting held in August. 3 Thomson-Houston, 5 Westinghouse dynamos. Capacity of station, 135 arc, 3,750 inc. In use, 55 commercial arc, 37 public street arc, 3,300 commercial inc. 6 Westinghouse engines, 4 tubular, 2 Babcock & Wilcox boilers, Munson and Schieren belts, Roebling wire, 40 miles of street circuits. City pays $160 per light per year for 39 arc of 2,000 candles, burning all night on moon schedule. Contract expires in July, 1890. V G.

DENVER. Denver Electric Illuminating Co. Capital stock, $100,000. C. H. White, President. W. H. Hinman, Secretary. C. H. Brown, Superintendent and Electrician. Thomson-Houston dynamos. Capacity of station, 630 arc, 7,800 inc. 10 Ball engines. Hazleton and Ball boilers, Munson belts. W G 80.

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Denver Consolidated Electric Co. Capital stock, $1,000,000. 9 dynamos of 65 arc capacity, 2 dynamos of 40 arc capacity, 4 Edison dynamos of 425 inc. capacity, and 8 Westinghouse alternating, 4 dynamos of 1,800 power capacity. There are in use 600 arc lamps, 1,000 street inc. lamps, 12,000 commercial inc. lamps, and 900 tower lamps. There are 400 miles of overhead wire and 54 miles of underground cable. X X H.

The Southside Electric Light Co. has been organized, and a plant will be put in during the summer.

DURANGO. The Durango Electric Co. Capital stock, $50,000; all paid in. Wm. Bayly, President. Harry Schiffer, Secretary and Electrician. M. P. McSwain, Superintendent. Annual meeting held in August. 6 United States dynamos. Capacity of station, 1,300 inc. In use, 1,200 commercial inc., 24 public street inc. 2 Hendey & Meyer engines, 4 Stearns boilers, leather belts, 2 Hill clutches, Underwriters' wire, 15 miles of street circuits. City pays $50 per light per year for 24 inc. of 25 candles, burning all night on moon schedule. Contract made in 1887 for 20 years. V G.

FORT COLLINS. Fort Collins Electric Co. Capital stock, $50,000; paid in, $11,700. William B. Miner, President. Frank J. Annis, Secretary. W. B. Stewart, Superintendent and Electrician. Annual meeting held in January. Westinghouse and Western dynamos. Capacity of station, 50 arc, 1,000 inc. In use, 40 commercial arc, 15 public street arc, 400 commercial inc. 1 Atlas engine, Underwriters' wire, 11 miles of street circuits. City pays $130 per light per year for 15 arc of 2,000 candles, burning every night till midnight. Contract expires in February, 1891. P F.

GOLDEN. Golden Illuminating Co. Capital stock, $20,000; paid in, $16,000. M. T. Morrill, President and Superintendent. E. L. Berthond, Secretary. Annual meeting held in January. 2 Edison dynamos. Capacity of station, 600 inc. In use, 700 commercial inc., 27 public street inc. 1 Ideal engine, 2 Brownell boilers, Schieren belts, Roebling wire, 5 miles of street circuits. City pays $18 per light per year for 27 inc. of 24 candles, burning till 3 A. M. on moon schedule. Contract expires annually in March. P P G.

GRAND JUNCTION. Grand Junction Telephone and Electric Light Co. Capital stock, $15,000; paid in, $8,000. Dan P. Stetzelbergen, President, Superintendent and Electrician. David Roberts, Secretary. Annual meeting held in February. 1 Heisler dynamo. Capacity of station, 500 inc. In use, 380 commercial inc., 18 public street inc. 1 Hamilton-Corliss engine, 1 O'Brien boiler, 5 miles of street circuits. City pays $27.96 per light per year for 18 inc. of 32 candles, burning all of every night. Contract expires in August, 1893. N G.

GREELEY. The Greeley Electric Light Co. Capital stock, $25,000; paid in, $16,000. S. S. Hunter, President. H. F. Flower, Secretary, Superintendent and Electrician. Annual meeting, first Tuesday in September. 2 Thomson-Houston dynamos. Capacity of station, 800 inc. 2 Armington & Sims high speed engines. P G.

GLENWOOD SPRINGS. Glenwood Light and Water Co. Capital stock, $250,000; paid in, $125,000. F. H. A. Lyle, President. T. H. Edsall, Secretary. Mason W. Mather, Manager. W. H. Richardson, Electrician. Annual meeting held in May. 4 Brush dynamos. Capacity of station, 65 arc, 1,500 inc. In use, 35 commercial arc, 18 public street arc, 900 commercial inc., Pelton water wheels, Schieren belts, Hill clutches, 5 miles of street circuits. City pays $204 per light per year for 18 arc of 2,000 candles, burning all of every night. Contract expires in November, 1893. Y Y H.

IDAHO SPRINGS. Idaho Springs Electric Light Co. Capital stock, $10,000; all paid in. J. J. Elliott, President and Manager. Robt. Turner, Secretary. S. A. Knowles, Electrician. Annual meeting held in February. 1 Edison, 1 Indianapolis Jenney dynamos. Capacity of station, 750 inc. In use, 650 commercial inc., 25 public street

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inc. Ball and New York Safety engines, 2 Erie boilers, Schieren belts, Shield Brand, Edison, Ansonia and Roebling wire, 2 miles of street circuits. City pays $36 per light per year for 25 inc. of 20 candles, burning on moon schedule. N G.

LEADVILLE. Leadville Electric Light and Power Co. Capital stock, $125,000; all paid in. C. Boettcher, President. H. D. Ruggles, Secretary. Frank Shute, Superintendent. Ira S. Baker, Electrician. Annual meeting held in January. 2 Edison, 3 Brush dynamos Capacity of station, 200 arc, 1,200 inc. In use, 160 commercial arc, 25 public street arc, 1,000 commercial inc. 2 Frazer & Chalmer's engines, 4 Erie City boilers, Roebling wire, 6 miles of street circuits. City pays $180 per light per year for 25 arc of 1,200 candles, burning every night till midnight. W G.

MANITOU SPRINGS. Manitou Springs Electric Light Co. Capital stock, $100,000; all paid in. A. K. Root, President. J. M. Kyrie, Secretary. W. E. Smiery, Superintendent. Wm. Long, Electrician. Jenney and Edison dynamos. Capacity of station, 15 arc and 175 inc., 15 public arc. Leffel water wheel, 2 miles of street circuits, Thomson-Houston Co. R R F.

MONTROSE. Montrose Electric Light Co. Capital stock, $10,000. P. A. Hiebler, President. F. H. Reinhold, Secretary and Superintendent. Annual meeting held in February. 1 Heisler dynamo. Capacity of station, 300 inc. In use, 231 commercial inc., 10 public street inc. 1 80 h. p. Ideal engine, 1 Brownell boiler, 2 miles of street circuits. City pays $2.50 per light per year for 10 inc. of 60 candles, burning all night on moon schedule. Contract expires in 1894. P G.

OURAY. Ouray Electric Light and Power Co. Capital stock, $30,000; all paid in. Fred. Walsen, President. James Gillespie, Secretary and Electrician. D. C. Harturel, Superintendent. Annual meeting held in October. 1 Western, 2 Westinghouse dynamos. Capacity of station, 35 arc, 1,500 inc. In use, 20 commercial arc, 1,000 commercial inc. Water power, Munson belts, Roebling wire. P F.

PUEBLO. Pueblo Gas and Electric Light Co. Capital stock, $300,000; all paid in. O. H. P. Baxter, President. L. M. Hovey, Secretary. D. E. McCartney, Superintendent and Electrician. Annual meeting held in October. Thomson-Houston dynamos. Capacity of station, 290 arc, 1,400 inc. In use, 190 commercial arc, 100 public street arc, 1,400 commercial inc. 1 Armington & Sims, 3 Ball engines, 1 Heine, 2 Erie boilers, Munson belts, 50 miles of street circuits. City pays $120 per light per year for 100 arc of 2,000 candles, burning all of every night. Contract expires in 1895. Z H.

Pueblo Light, Heat and Power Co. Capital stock, $100,000; all paid in. John D. Miller, President. John O. Albert, Secretary. Chas. M. Davis, Superintendent and Electrician. Annual meeting held in July. 4 Schuyler arc, 4 Westinghouse inc. dynamos. Capacity of station, 140 arc, 3,000 inc. In use, 126 commercial arc, 2,480 commercial inc. 4 100 h. p. Ball, 275 h. p. Westinghouse engines, 6 100 h. p. Erie City boilers, Schieren belts, Roebling and Okonite wire. W G.

RICO. Rico Electric Light and Power Co. 75.

SALIDA. Edison Electric Light Co. Capital stock, $30,000; all paid in. R. M. Ridgway, President. Geo. M. McGovern, Secretary and Superintendent. E. C. Butler, Electrician. Annual meeting held in August. 1 Waterhouse, 2 Edison dynamos. Capacity of station, 36 arc, 750 inc. In use, 11 commercial arc, 6 public street arc, 750 commercial inc. Ball and Ideal engines, 2 boilers, Shultz belts, 3 miles of street circuits. City pays $216 per light per year for 6 arc of 2,000 candles, burning all of every night. Contract expires in January, 1891. S G.

TRINIDAD. Trinidad Electric Light, Heat and Power Co. Capital stock, $100,000; all paid in. F. D. Wight, President. Edward D. Wight, Secretary. W. A. Wight, Superintendent. Amos B. Wight, Electrician. Annual meeting held in January. 6 Thomson-Houston dynamos. Capacity of station, 140 arc, 3,600 inc. In use, 53 commercial arc, 37 public street arc, 700 commercial inc. 1 Dick & Church, 3 Ball

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engines, 2 Ball boilers, Munson belts, 17 miles of street circuits. City pays $150 per light per year for 37 arc of 2,000 candles, burning all of every night. Contract made in June, 1888, for 15 years. S G.

TELLURIDE. Telluride Electric Light Co. Capital stock, $10,000. I. B. Ingram, President. James F. Mathews, Secretary. H. H. Corbin, Treasurer and Manager. James Kehoe, Electrician. 1 Edison dynamo. Capacity, 500 lights. 1 Ide engine. M M F 80.

WALSENBURG. Walsenburg Electric Light and Power Co. Capital stock, $35,000; all paid in. R. A. Quinlians, President. Chas. O. Unfug, Secretary, Superintendent and General Manager. Fred. E. Ramsey, Electrician. Annual meeting held in May. 2 Edison dynamos. Capacity of station, 570 inc. In use, 350 commercial inc., 32 public street inc. Ideal engines, Rohan boilers, Shultz belts, 2 miles of street circuits. City pays $27 per light per year for 32 inc. of 16 candles, burning all of every night. Contract expires in October, 1891. S G.

CONNECTICUT.

BIRMINGHAM. Derby Gas Co. William B. Wooster, President. Charles H. Nettleton, Secretary. E. F. Latimer, Electrician. 5 Thomson-Houston dynamos. Capacity of station, 190 arc, 600 inc. In use, 32 public arc. About 25 miles of circuits. W H.

BRIDGEPORT. Bridgeport Electric Light Co. Capital stock, $———; paid in, $175,000. F. A. Gilbert, President. J. C. English, Secretary. J. M. Orford, Superintendent and Electrician. Annual meeting held in March. 18 Thomson-Houston dynamos. Capacity of station, 300 arc, 5,000 inc. Y H.

BRISTOL. Bristol Electric Light Co. Capital stock, $15,000; all paid in. J. H. Sessions, President. M. L. Tiffany, Secretary. E. H. Stevens, Superintendent. 3 Thomson-Houston dynamos. Capacity of station, 50 arc, 400 inc. In use, 23 commercial arc, 16 public street arc, 285 commercial inc. 1 New York Safety engine, Bigelow boiler. Street lamps are maintained by private subscription. P H.

DANBURY. Danbury and Bethel Gas and Electric Light Co. Charles H. Merritt, President. Geo. Cowperthwait, Secretary. E. Wightman, Superintendent and Electrician. 5 Schuyler dynamos. Capacity of station, 145 arc. In use, 60 commercial arc, 101 public street arc. 2 New York Safety engines, Bigelow boiler, Underwood belts, Underwriters', Okonite, Clark, Simplex, P. & B, and Ansonia wire, 24 miles of street circuits. City pays $90 per light per year for 101 arc of 2,000 candles, burning till 2 A. M. on moon schedule. Contract expires in 1893. V V H.

DANIELSONVILLE. The Killingly Electric Light Co. Capital stock, $50,000; paid in, $5,000. F. A. Jacobs, President. E. L. Palmer, Secretary. C. N. Montgomery, Superintendent and Electrician. Annual meeting held in June. 1 Ball dynamo. Capacity of station, 135 arc. In use, 31 commercial arc, 30 public street arc, Otto gas engines, Jacobs belts, 6 miles of street circuits. City pays $60 per light per year for 30 arc of 1,200 candles till 11.30 P. M. on moon schedule. Contract expires in July, 1891. P G.

HARTFORD. Hartford Electric Light Co. Capital stock, $200,000; all paid in. A. C. Dunham, President. H. M. Clark, Treasurer. H. H. Johnson, Superintendent. Geo. D. Johnson, Electrician. Annual meeting held in February. 5 Ball and 18 Thomson-Houston dynamos. Capacity of station, 825 arc, 5,000 inc. In use, 300 commercial arc, 500 public street arc, 5,050 commercial inc. 1 Ide, 2 Russell, 2 New York Safety and 4 Armington & Sims engines, 5 Cunningham boilers, Jewell belts, Hill clutches, American wire, 150 miles of street circuits. City pays 8 cents per hour for 2,000 c. p. and 2½ cents for 1,200 c. p. arc lamps. In use, 500 arc, burning all of every night. Contract made June 1, 1890, expires in 1893. W W G.

Hartford Light and Power Co. Capital stock, $150,000; paid in, $130,000. David

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Humly, President. W. W. Jacobs, Secretary. Annual meeting held in January. 1 Edison, 2 Mather, 2 Waterhouse and 9 Westinghouse dynamos. Capacity of station, 70 arc, 65,000 inc. In use, 70 commercial arc, 10,000 commercial inc. 8 Westinghouse and Ide engines, 20 Pitkins boilers, Jewell belts. V G.

MERIDEN. Meriden Electric Light Co. Capital stock, $50,000. George R. Curtis, President. Samuel Dodd, Secretary. Edward A. Fitzgerald, Superintendent and Electrician. Annual meeting held in May. 5 American arc and 2 Thomson-Houston inc. dynamos. Capacity of station, 200 arc, 1,900 inc. In use, 69 commercial arc, 89 public street arc, 1,000 commercial inc. 2 Ball and 2 New York Safety engines, 2 Hazleton boilers, Jewell belts, K. & K. and Simplex wire, 30 miles of street circuits. City pays $135 per light per year for 89 arc of 2,000 candles, burning till 3 A. M. every night. Contract expires annually in December. S G.

MIDDLETOWN. Middletown Electric Light Co. Capital stock, $60,000; all paid in. D. W. Northrope, President. James P. Stow, Secretary. B. D. Putnam, Electrician. Annual meeting held in June. 6 Schuyler and 4 Edison dynamos. Capacity of station, 250 arc, 1,600 inc. In use, 100 commercial arc, 67 public street arc, 1,200 commercial inc. 1 Ball, 1 Ide and 2 Fitchburg engines, 2 Hodge and 2 Robinson boilers, Jewell and Underwood belts, K. & K. and Ansonia wire. S G.

NAUGATUCK. Naugatuck Electric Light Co. Capital stock, $15,000; all paid in. A. M. Young, President. L. S. Beardsley, Secretary. James Landon, Superintendent and Electrician. Annual meeting held in July. 1 Thomson-Houston dynamo. Capacity of station, 30 arc, 400 inc. In use, 25 commercial arc, 15 public street arc, 400 commercial inc. 1 Ball engine, 1 Bigelow boiler, Jewell belts, Benedict & Burnham wire, 4 miles of street circuits. City pays $96 per light per year for 15 arc of 2,000 candles, burning every night till midnight. Contract made annually. M G.

NEW BRITAIN. New Britain Electric Light Co. Capital stock, $———; paid in, $60,000. J. M. Spring, President. L. C. Whitney, Secretary and Superintendent. Annual meeting held in January. 9 Schuyler and Edison dynamos. Capacity of station, 200 arc, 1,800 inc. In use, 78 commercial arc, 94 public street arc, 1,500 commercial inc. Fitchburg, New York Safety and Ide engines, 1 Hazleton and 2 Morgan boilers, Underwood belts, K. & K. and Okonite wire. City pays $95 per light per year for 94 arc of 2,000 candles, burning till 12.15 A. M. on moon schedule. No definite contract. G 85.

NEW HAVEN. New Haven Electric Co. Capital stock, $300,000; all paid in. F. A. Gilbert, President. James English, Secretary and Treasurer. E. K. Parker, Superintendent. Fred Lewis, Electrician. Thomson-Houston system. Capacity of station, 750 arc, 5,500 inc. In use, 500 arc, full inc. capacity Greene and Armington & Sims engines, Babcock & Wilcox and Bigelow boilers, Coe & Brown belts. V H.

NEW MILFORD. New Milford Electric Light Co. Capital stock, $3,000. L. F. Curtis, President. L. P. Giddings, Superintendent. Annual meeting held in December. 1 Thomson-Houston dynamo. Capacity of station, 38 arc. In use, 8 commercial arc, 20 public street arc, 50 commercial inc. Water power, Hoyt belts, Bridgeport Brass Co. wire, 5 miles of street circuits. City pays $84 per light per year for 20 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires April 1, 1891. G 85.

NORWALK. Norwalk and South Norwalk Electric Co. Capital stock, $65,000. Charles Olmstead, President. John H. Hoyt, Secretary. W. L. Bonnel, Superintendent and Electrician. Annual meeting held in September. 4 Schuyler dynamos. Capacity of station, 165 arc, 1,300 inc. In use, 58 commercial arc, 76 public street arc, 1,250 commercial inc. 1 Fitchburg, 2 Ball engines and boilers, canvas, leather lined belts, Okonite and Underwriters' wire, 33 miles of street circuits. City pays $75 per light per year for 76 arc of 1,500 candles, burning every night till 1 o'clock. Contract expires in April, 1894. V G.

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NORWICH Norwich Electric Light Co. Capital stock, $75,000; all paid in. H. H. Osgood, President. C. C. Johnson, Secretary and Treasurer. G. W. Phillips, Superintendent and Electrician. Thomson-Houston system. 1 N. Y. Safety and 1 Greene engines, Cunningham boilers. S G.

PUTNAM. Putnam Light and Power Co. Capital stock, $40,000; all paid in. F. W. Perry, President. A. W. Bowen, Secretary and Superintendent. Annual meeting held in May. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 600 inc. In use, 4 commercial arc, 30 public street arc, 275 commercial inc., 13 public street inc. 1 80 h. p. Ideal engine, Hazleton boiler, Hoyt and Underwood belts, American Electrical Works wire, 6 miles of street circuits. City pays 25 cents per light per night for 30 arc of 1,200 candles, 13 inc. of 25 candles, burning till midnight on moon schedule. Contract expires in July, 1893. S G.

SEYMOUR. Seymour Electric Light Co. Capital stock, $15,000; all paid in. Edmund Day, President. E. H. Beecher, Secretary and Treasurer. Water power. 2 Thomson-Houston dynamos. Capacity of station, 30 arc, 650 inc. Kerite wire, 9 miles of street circuit. 65.

STAMFORD. Stamford Electric Lighting Co. Capital stock, $100,000; all paid in. W. W. Skiddy, President. A. M. Young, Secretary. James D. Smith, Treasurer. C. J. Birkenmayer, Superintendent. Ralph Jordan, Electrician. 3 Schuyler arc, 3 Thomson-Houston alternating dynamos. Capacity of station, 135 arc, 1,800 inc. In use, 10 commercial arc, 47 public street arc, 1,200 commercial inc. 1 Ball, 2 Fitchburg engines, Fitchburg and Bigelow boilers, Jewell belts, Erie clutches, Benedict & Burnham wire, 20 miles of street circuits. City pays $100 per light per year for 47 arc of 1,000 candles, burning every night till 1 A. M. Contract expires annually in April. Ju.

SOUTHINGTON. Southington and Plantville Tramway Co. See Street Railroads.

THOMASTON. Thomaston Electric Co. Capital stock, $20,000; all paid in. Aaron Thomas, President. J. S. Eastwood, Secretary and Treasurer. 3 Thomson-Houston dynamos. Capacity of station, 30 arcs, 800 inc. Armington & Sims engine, Bigelow boiler, Jewell belts, K. K. wire, 6 miles of street circuit. R G.

TORRINGTON. Torrington Electric Light Co. Capital stock, $12,000; all paid in. G. D. Workman, President. F. F. Fuessenich, Secretary and Superintendent. A. J. Breckenridge, Electrician. Annual meeting held in January. 2 Westinghouse alternating dynamos. Capacity of station, 1,800 inc. In use, 1,221 commercial inc. 1 Armington & Sims engine, 2 Beach boilers. P G.

WATERBURY. Connecticut Electric Co. Capital stock, $150,000; all paid in. D. S. Plume, President. E. T. Turner, Treasurer. A. M. Young, Secretary. A. O. Sheperdson, Manager and Electrician. Thomson-Houston and Edison systems. Capacity of station, 325 arc, 4,000 inc. In use, 225 arc, 2,500 inc. 1 Corliss, 1 Ball engines, 2 Bigelow, 2 Hawkins, 2 Jarvis boilers, Jewell belts, K. K. wire, 50 miles of street circuits. W W G.

WILLIMANTIC. Willimantic Electric Light Co. Capital stock, $20,000; all paid in. Edwin Bugbee, President. Henry F. Royce, Secretary. A. H. Lynch, Superintendent and Electrician. Annual meeting held in September. 1 Sperry, 3 Waterhouse dynamos. Capacity of station, 120 arc. In use, 29 commercial arc, 55 public street arc, 71 (series) commercial inc. Brown engines, Root tubular boilers, Ansonia and Simplex wire, 10 miles of street circuits. City pays $90 per light per year for 55 arc of 2,000 candles, burning every night till midnight. Contract expires in October, 1891. R G.

WINDSOR LOCKS. Windsor Locks Electric Lighting Co. Capital stock, $25,000. E. B. Bailey, President. H. C. Douglass, Secretary. 500 light Westinghouse dynamo. Will use both water and steam power. G 85.

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WINSTED. Winsted Gas Light Co. Capital stock, $60,000; all paid in. R. E. Holmes, President. Henry Skinner, Secretary and Superintendent. John G. Doughty, Electrician. Annual meeting held in January. 8 Brush and United States dynamos. Capacity of station, 90 arc, 500 inc. In use, 26 commercial arc, 48 public street arc, 400 commercial inc. Hercules water wheels, placed 4 miles from centre of lighting. Hill and Brown clutches, Benedict & Burnham wire, 35 miles of street circuits. City pays $80 per light per year for 48 arc of 1,200 candles, burning every night till midnight. V G.

DELAWARE.

MIDDLETOWN. Delaware Electric Light and Power Co. Capital stock, $20,000; all paid in. Preston Lee, President. W. T. Johnston, Secretary and Superintendent. Annual meeting held in June. 4 Edison dynamos. Capacity of station, 1,500 inc. In use, 1,000 commercial inc., 76 public street inc. 2 Ide engines and boilers, Ireson's belts, 4 miles of street circuits. City pays $15 per light per year for 76 inc. of 16 candles, burning all of every night. Contract expires in January, 1895. R G.

MILFORD. Milford Edison Light Co. Capital stock, $25,000; all paid in. R. M. and W. T. Johnson, Proprietors. Annual meeting held in January. 2 Edison dynamos. Capacity of station, 1,500 inc. In use, 1,400 commercial inc., 110 public street inc. 1 Armington & Sims engine, 1 King County boiler, Ireson belts, 5 miles of street circuits. City pays $13.75 per light per year for 110 inc. of 16 candles, burning all of every night. Contract expires in 1894. Q 85.

WILMINGTON. Wilmington City Electric Co. Capital stock, $200,000. S. N. Trump, President. F. L. Gilpin, Secretary. C. H. Smith, Assistant Manager. I. A. Lighthipe, Electrician. 8 Edison, 1 Westinghouse, 2 Ball dynamos. Capacity of station, 150 arc, 6,600 inc. In use, 75 commercial arc and 5,000 inc. 6 Armington & Sims engines, high speed, 6 tubular boilers. W G.

Delaware Electric Light and Power Co. Capital stock, $20,000. Preston Lee, President. W. L. Heger, Secretary and Treasurer. F. P. Rose, Electrician and Superintendent. 2 Edison dynamos, capacity 1,200 lights. 2 Ide engines. P P G.

DISTRICT OF COLUMBIA.

WASHINGTON. United States Electric Lighting Co. Capital stock, $——; paid in, $700,000. Sam'l Norment, President. A. M. Renshaw, General Manager. Edison, Thomson-Houston and Brush dynamos. Capacity of station, 400 arc, 10,000 inc. In use, 185 commercial arc, 196 public street arc, 7,000 commercial inc. New York Safety, Ide and Armington & Sims engines, 10 boilers. City pays $219 per light per year for 196 arc of 2,000 candles, burning all of every night. Contract expires annually in June. Z H.

FLORIDA.

DE LAND. De Land Electric Light and Power Co. Capital stock, $20,000; paid in, $15,000. B. Stetson, President. A. G. Kingsbury, Secretary, Treasurer and Electrician. Annual meeting held in January. 1 Ball, 2 Edison dynamos. Capacity of station, 40 arc, 1,000 inc. In use, 26 commercial arc, 10 public street arc, 150 commercial inc. 1 Fitchburg engine, 1 Robinson boiler, leather belts, 8 miles of street circuits. City pays $182.50 per light per year for 10 arc of 2,000 candles, burning every night till midnight. Contract expires annually. R G.

FERNANDINA. Fernandina Light and Power Co. Capital stock, $20,000; paid in, $6,000. Fred. W. Hoyt, President. Samuel D. Swann, Secretary. Louis Waas, Superintendent and Electrician. Annual meeting held 2d Tuesday in February. Thomson-Houston dynamos. Capacity of station, 50 arc. In use, 4 commercial arc, 16 public arc, 57 inc. 1 Dick and Church engine, 1 Phœnix Iron Co. boiler, Schieren belts, K. & K. wire, 7 miles of circuits. R G.

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JACKSONVILLE. Jacksonville Electric Light Co. Capital stock, $100,000; all paid in. S. B. Hubbard, President. A. F. Perry, Secretary. C. S. Hammott, Superintendent. Annual meeting held in April. 8 Thomson-Houston dynamos. Capacity of station, 200 arc, 1,800 inc. In use, 160 commercial arc, 1,100 commercial inc. 1 New York Safety, 3 Armington & Sims engines, 2 Cunningham, 4 Bigelow boilers, American and Ireson belts, Clark, Okonite and Simplex wires, 15 miles of street circuits. S S H.

KEY WEST. Key West Gas and Electric Light Co. P P G 75.

OCALA. Ocala Light and Power Co. Capital stock, $25,000; all paid in. James Chambers, President. John H. Burchell, Secretary and Treasurer. Fred H. Koerber, Superintendent and Electrician. Annual meeting held in March. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 35 commercial arc, 15 public street arc. Mansfield engine and boiler, 4 miles of street circuits. City pays $146 per light per year for 15 arc of 2,000 candles, burning all of every night. Contract made annually. Ju.

PENSACOLA. Pensacola Electric Light and Power Co. Capital stock, $50,000; paid in, $15,000. . R. Pitt, President. E. G. Quma, Secretary. W. B. Crossland, Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 500 inc. In use, 50 commercial arc, 500 commercial inc. 2 Ball engines, 6 miles of street circuits. F 85.

TAMPA. Tampa Electric Light and Power Co. Capital stock, $30,000. John T. Leslie, President. H. H. Hale, Secretary and Treasurer. W. S. Hawenstine, Electrician. 1 Western Electric dynamo, capacity 30 arc, 1 Westinghouse dynamo, capacity 1,500 lights, 2 Westinghouse engines. F 85.

GEORGIA.

ALBANY. Albany Edison Illuminating Co. Capital stock, $20,000; all paid in. S. B. Brown, President. J. Davis, Secretary and General Manager. C. G. Barfoot, Superintendent and Electrician. Annual meeting held in January. 3 Edison dynamos. Capacity of station, 1,200 inc. In use, 700 commercial inc., 320 public street inc. 2 New York Safety engines and boilers, Munson belts, Edison and Cowles wire, 20 miles of street circuits. City pays $10 per light per year for 320 inc. of 20 and 50 candles, burning on moon schedule. Contract expires in 1908. P G.

AMERICUS. Americus Light and Power Co. Capital stock, $60,000; all paid in. W. M. Hawks, President. W. E. Murphy, Secretary. Z. H. Gilreath, Superintendent. Mark Freewell, Electrician. Annual meeting held in April. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 600 inc. In use, 40 public street arc. City pays $100 per light per year for 40 arcs of 1,200 candles, burning all dark hours. Contract made in December 1889 for 20 years. 116.

ATHENS. Athens Gas Light and Electric Co. 75.

ATLANTA. Georgia Electric Light Co. H. E. W. Palmer, President. W. J. Speer, Secretary. Thomson-Houston system. W H.

AUGUSTA. Thomson-Houston Electric Co. Capital stock, $100,000. Wm. H. Fleming, President. Geo. J. Fargo, Secretary. T. W. Judson, Superintendent and Electrician. Annual meeting held in January. 9 Thomson-Houston dynamos. Capacity of station, 350 arc, 1,150 inc. In use, 250 commercial arc, 15 public street arc, 700 commercial inc. 2 350 h. p. Hercules water wheels and 1 Beck engine, 2 Dobbins boilers, Schieren belts, K. K. wire, 75 miles of street circuits. City pays $100 per light per year for 15 arc of 2,000 candles, burning all of every night. X X X H.

BAINBRIDGE. Bainbridge Electric Light, Heat and Power Co. Capital stock, $15,000; all paid in. Messrs. Blount & Dickenson, Proprietors. W. G. Harrell, Superintendent and Electrician. 2 Edison dynamos. Capacity of station, 300 inc. In use, 50 public street inc. Beck engine and boiler, Edison wire, 3 miles of street circuits.

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City pays $80 per light per year for 50 inc. of 16 candles, burning all of every night. Contract expires in April, 1895. 65.

BRUNSWICK. Brunswick Light and Water Co. Capital stock, $50,000; all paid in. W. E. Burwage, President. W. E. Sutton, Secretary and Superintendent. A. W. Fuller, Electrician. Annual meeting held in January. Thomson-Houston dynamos. Capacity of station, 120 arc. In use, 22 commercial arc, 24 public street arc, 182 (series) commercial inc. 1 Russell and 1 Ball engine, Russell and Schofield boilers, 18 miles of street circuits. City pays $126 per light per year for 24 arc of 2,000 candles, burning all of every night. Contract made in 1888 for 6 years. V G.

CEDARTOWN. Empire Water, Light and Mfg. Co. 75.

COLUMBUS. Brush Electric Light and Power Co. 60 Brush lights. Capital stock, $100,000. W. R. Brown, President. W. A. Swift, Secretary and Treasurer. S. H. Tice, Electrician. 2 Brush dynamos. Capacity, 90 arc. S G.

DOUGLASVILLE. Douglasville Electric Light Co. Not yet in operation.

GAINESVILLE. Gainesville Light Co. Capital stock, $20,000; paid in, $10,000. S. C. Dunlap, President. E. H. Jewell, Secretary. A. Cubber. Electrician. Annual meeting 1st of August. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 50 commercial arc. Corliss engine, low, W. and M. wire, 5 miles of circuits. L F.

GRIFFIN. Thomson-Houston Electric Co. G 85.

MACON. Macon Gas Light and Water Co. Capital stock, $150,000; all paid in. Wm. J. Colte, President. J. B. Hall, Secretary. Geo. F. Work, Treasurer. J. W. Wilcox, Superintendent. R. J. Morgan, Electrician. Annual meeting held in April. 1 Brush, 7 Thomson-Houston dynamos. Capacity of station, 170 arc, 525 inc. In use, 30 commercial arc, 75 public street arc, 525 commercial inc. Lane & Bodley, Armington & Sims and Beck engines, S. S. Schofield boilers, Jewell belts, Hill clutches. City pays $120 per light per year for 75 arc of 2,000 candles on moon schedule. Contract made for 5 years. Ju.

MARIETTA. Marietta Electric Light Co. Capital stock, $6,000; paid in, $5,450. T. N. Glover, President. J. H. Barnes, Secretary. T. J. Rumsey, electrician. Annual meeting held in November. 1 Brush dynamo. In use, 25 public street arc. 1 Ball engine and boiler, 7 miles of street circuits. City pays $78.50 per light per year for 25 arc of 1,200 candles, burning on Philadelphia moon schedule. Contract expires in 1894. M G.

MILLEDGEVILLE. The Milledgeville Electric Co. Not yet in operation. G.

SAVANNAH. Brush Electric Light and Power Co. Capital stock, $200,000; all paid in. S. P. Hamilton, President. S. Guckenheimer, Secretary. F. P. Kick, Superintendent and Electrician. Annual meeting held in May. 11 Thomson-Houston and Westinghouse dynamos. Capacity of station, 350 arc, 3,750 inc. In use, 125 commercial arc, 200 public street arc, 2,400 commercial inc. 3 straight line, 2 Buckeye engines, 6 Woodbury boilers, Fayerweather & Ladew belts, Okonite, Simplex and weatherproof wire, 32 miles of street circuits. City pays $100 per light per year for 200 arc of 1,200 candles, burning all of every night but 3 per month. Contract expires January 1, 1895. Ju.

Mutual Electric Light Co. No plant in operation at present. G.

TALLAPOOSA. Vernon Light and Power Co. Capital stock, $25,000. David Quackenbush, President. W. H. Browne, Secretary and Electrician. G. F. Quackenbush, Superintendent. 1 Edison dynamo. Capacity of station, 270 inc. In use, 218 commercial inc., 36 public street inc. Russell engine, Ansonia and Edison wire, 2½ miles of street circuits. City pays $25 per light per year for 36 inc. of 50 candles, burning all of every night. Contract expires in February, 1891. R R G.

THOMASVILLE. Thomasville Electric Light and Power Co. Capital stock, $25,000; paid in, $10,000. W. H. Mitchell, President. W. H. Reynolds, Secretary. L. R.

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Davis, Superintendent. Olley Page, Electrician. Annual meeting held in October. Thomson-Houston dynamos. Capacity of station, 20 arc, 90 inc. In use, 9 commercial arc, 2 public street arc, 66 commercial inc., 16 public street inc. Westinghouse engines, Erie City boilers, perforated belts, 5 miles of street circuits. City pays $120 per light per year for 2 arc of 1,200 candles, and $80 for 16 inc. of 32 candles, burning all of every night. Contract expires in September, 1890. P G.

WAYCROSS. Albertson, Murphy & Co. Capital stock, $30,000; paid in, $20,000. M. Albertson, Superintendent. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 4 commercial arc, 30 public street arc, 84 commercial inc. 1 Erie engine and boiler, Fayerweather & Ladew belts, Simplex wire, 7 miles of street circuits. City pays $66⅔ per light per year for 30 arc of 2,000 candles, burning on moon schedule. Contract expires January 1st, 1900.

WEST END. City electric light plant not yet in operation.

IDAHO.

BOISE CITY. Capital Electric Light, Motor and Gas Co. Capital stock, $20,000; all paid in. Wm. H. Ridenbaugh, President. J. W. Cunningham, Secretary and Superintendent. Annual meeting held in April. 2 Edison dynamos. Capacity of station, 1,000 inc. In use, 1,000 commercial inc., 50 public street inc. Water power, Schieren belts, Roebling wire, 2 miles of street circuits. City pays $30 per light per year for 50 inc. of 32 candles, burning all of every night. Contracts expires annually in October. P P G.

HAILEY. Idaho Electric Supply Co. Capital stock, $35,000; paid in, $20,000. Robert E. Straham, President. H. C. Buckhart, Secretary. H. A. Kroedee, Electrician. Annual meeting held in August. 2 No. 10 Edison dynamos. Capacity of station, 750 inc. In use, 400 commercial inc. Leffel water wheels, Degen belts, Roebling wire, 3 miles of street circuits. N F.

MOSCOW. Moscow Electric Light and Power Co. See Addenda.

WALLACE. Wallace Manufacturing, Electric and Water Co. 75.

ILLINOIS.

ALTON. Alton Gas and Electric Light Co. Capital stock, $100,000. A. E. Campbell, President. William Tracy, Secretary and Superintendent. 2 American dynamos. Capacity of station, 50 arc. In use, 4 commercial arc, 40 public street arc. Ideal engine, Shultz belts, Underwriters' wire, 13 miles of street circuits. City pays $90 per light per year for 40 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in June, 1892. F 85.

AMBOY. Amboy Electric Light and Power Co. Capital stock, $10,000. Josiah Little, President. J. E. Lewis, Secretary. Company organized, but plant not yet put in. G 85.

ANNA. Anna Electric Light Co. Capital stock, $25,000. W. Henderson, President. C. V. Nardling, Secretary and Treasurer. 1 Edison dynamo. Capacity of station, 250 lamps. 1 Erie engine. V G.

AURORA. City of Aurora. John Jameson, Mayor. N. J. Thomas, Electrician. 2 Thomson-Houston dynamos. Capacity of station, 90 arc. In use, 81 public street arc, 8 (Bernstein) commercial inc. 1 Armington & Sims engine, 3 boilers, Simplex and Underwriters' wire, 35 miles of street circuits. Lamps burn on moon schedule and cost $66.69 per year each.

L. O. Hill & Co. 3 Brush dynamos. 100 commercial arc lamps in use. V V H.

Aurora Electric Light and Power Co. Capital stock, $50,000. Wyman Meredith, President and Superintendent. E. S. Frazier, Secretary. Annual meeting held in February. 1 Thomson-Houston, 2 Westinghouse dynamos. Capacity of station, 35 arc,

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1,000 inc. 2 Westinghouse engines, Hazleton boilers, Schieren belts, Simplex wire, 5 miles of street circuits. F 85.

BATAVIA. Village of Batavia. J. H. Miller, Chairman of Board of Trustees. W. P. Barker, Chairman of Light Committee. E. K. Meridith, Electrician. 1 Westinghouse dynamo. Capacity of station, 750 inc. In use, 600 commercial inc., 120 public street inc. New York Safety engine and boiler, Kelley belts, Weatherproof wire, 12 miles of street circuits. Lamps burn till midnight on moon schedule.

BEARDSTOWN. Beardstown Electric Light and Power Co. Capital stock, $20,000; all paid in. Dr. Henry Ehrhardt, President. W. E. McCollough, Secretary. W. U. Parsons, Superintendent and Electrician. Annual meeting held in April. 1 United States inc., 2 Thomson-Houston arc dynamos. Capacity of station, 100 arc, 500 inc. In use, 50 commercial arc, 36 public street arc, 440 commercial inc. 1 Hamilton-Corliss engine, 2 Dayton boilers, Munson belts, Hill clutches, K. K. wire, 6 miles of street circuits. City pays $72 per light per year for 25 arc of 1,200 candles, burning till midnight, and $100 for 11 arc burning all night on moon schedule. Contract expires in January, 1895. R G.

BELLEVILLE. Electric Light and Coal Co. Capital stock, $70,000; all paid in. John Brosius, President. G. W. Knobelock, Secretary and Superintendent. James Ogden, Electrician. Annual meeting held in May. 1 Edison, 1 Slattery, 6 Wood dynamos. Capacity of station, 120 arc, 1,400 inc. In use, 80 public street arc, 700 commercial inc. 1 Russell, 3 Ideal engines, 4 Wangler, 1 Russell boilers, Shieren and Oak Leather belts Eclipse clutches, Roebling and P. & B. wire, 20 miles of street circuits. City pays $125 per light per year for 85 arc of 2,000 candles, burning on moon schedule. Contract expires in 1890. Ju.

BELVIDERE. Belvidere Electric Light Co. Capital stock, $35,000; paid in, $26,000. C. E. Fuller, President. J. R. Balliet, Secretary. Samuel Lovejoy, Superintendent. Wm. M. Marean, Electrician. Annual meeting held in January. 1 Westinghouse, 5 Sperry dynamos. Capacity of station, 44 arc, 1,050 inc. In use, 5 commercial arc, 27 public street arc, 500 commercial inc. 1 Atlas and 1 New York safety engine, 2 McGregor boilers, Preston belts, Standard Underground Cable Co. and Roebling wire, 7 miles of street circuits. City pays $100 per light per year for 27 arc of 2,000 candles, burning till 3 A. M. on all dark nights. Contract expires in 1894. P P G.

BLOOMINGTON. Bloomington Electric Light Co. Capital stock, $125,000; paid in, $123,000. R. W. Murphy, President. C. Kayburn, Secretary. J. H. Miller, Superintendent. T. F. Paulson, Electrician. Annual meeting held in January. 1 Thomson-Houston and 1 Slattery inc., 3 Thomson-Houston arc dynamos. Capacity of station, 150 arc, 2,000 inc. 1 Armington & Sims, 1 Ball, 2 New York safety engines, Pittsburgh Boiler Works boilers, Munson belts, 2 Hill clutches, K. K. and Simplex wire. W H.

Citizens' Gas Light and Heating Co. Capital stock, $250,000; all paid in. P. P. Mast, President. J. A. Wilcox, Secretary. W. Parritt, Superintendent. Annual meeting held in May. 1 Waterhouse arc, 1 Westinghouse inc. dynamo. Capacity of station, 35 arc, 750 inc. In use, 25 commercial arc, 200 commercial inc. 1 Hamilton-Corliss engine, 1 Babcock & Wilcox boiler, Schieren belts, Hill clutches, Simplex wire, 10 miles of street circuits. Y Y G.

City of Bloomington. H. W. Schmidt, Superintendent. Geo. L. Batchelder, Electrician. 8 Thomson-Houston dynamos. Capacity of station, 240 arc. In use, 219 public street arc. 2 Bass-Corliss engines, 4 Bass boilers, 8 Hill clutches, Underwriters' wire, 43 miles of street circuits.

CAIRO. Cairo Electric Light and Power Co. S G 75.

Cairo City Gas Light Co. W H. 75.

CANTON. People's Gas and Electric Light Co. Capital stock, $50,000; all paid in. A.

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C. Babcock, President. W. H. Parlin, Secretary. S. A. Drake, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. 1 Porter engine, 1 Rohan boiler, Hoyt belts, 4 miles of street circuits. City is lighted with gas. V V H.

CARLINVILLE. Brush Electric Co. H. N. Brunelle, Superintendent and Electrician. 8 Brush dynamos. Capacity of station, 65 arc, 300 inc. In use, 7 commercial arc, 27 public street arc, 100 commercial inc. Dick & Church engines, Munson belts, Underwriters' wire, 7 miles of street circuits. City pays $80 per light per year for 27 arc of 2,000 candles, burning every night till midnight. H 118.

Carlinville Gas Light Co. 75.

CARLYLE. Carlyle Water, Light and Power Co. Not yet in operation.

CHAMPAIGN. United Manufacturing Co. Capital stock, $125,000; all paid in. Henry Trusett, President. S. L. Nelson, Secretary. C. E. Hanford, Superintendent. Annual meeting held in May. 2 Western dynamos. Capacity of station, 50 arc. In use, 5 commercial arc, 45 public street arc. 1 Russell engine, Munson belts. City pays, $44.50 per light per year for 45 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in February, 1898. Ju.

CHARLESTON. Thomson-Houston Electric Co. Owned by parent company. F. A. Brooks, Superintendent and Electrician. 1 Slattery and 2 Thomson-Houston dynamos. Capacity of station, 75 arc, 650 inc. In use, 15 commercial arc, 44 public street arc, 300 commercial inc. Ideal 100 h. p. engines, Porter, Jackson & Co. boilers, Munson belts, Simplex wire, 12 miles of street circuits. City pays $90 per light per year for 44 arc of 2,000 candles, burning all of every night. Contract expires in July, 1899.

CHICAGO. Chicago Arc Light and Power Co. Capital stock, 1,000,000; all paid in. B. E. Sunny, President. C. H. Wilmerding, Secretary and Superintendent. G. E. Fish, Electrician. Annual meeting held in May. 1 Excelsior, 18 Ball, 2 Schuyler, 11 Western, 40 Thomson-Houston arc and 2 Thomson-Houston inc. dynamos. Capacity of station, 2,880 arc, 1,100 inc. In use, 1,900 commercial arc, 107 public street arc, 1,000 commercial inc. New York Safety, Williams, Buckeye and Ball engines, Rawhide Mfg. Co.'s belts, Eclipse clutches, Patterson underground wire, 140 miles of street circuits. City pays $180 per light per year for 107 arc of 2,000 candles, burning all of every night in addition to its own plant. No definite contract. X X H 119.

Englewood Electric Light Co. Capital stock, $50,000; paid in, $45,000. John J. Badenoch, President. Chas. T. Page, Secretary and Superintendent. R. Ferguson, Electrician. Annual meeting held in October. 2 Westinghouse dynamos. Capacity of station, 2,250 inc. In use, 2,000 commercial inc. 1 Westinghouse, 1 Wheelock engines, 3 National boilers, Munson belts, Standard Underground Cable Co. wire, 20 miles of street circuits. Ju.

The National Electric Construction Co. Capital stock, $50,000; paid in, $6,000. W. L. Abbott, President and Superintendent. Geo. M. Morgan, Secretary. E. Schermerhorn, Electrician. Annual meeting held in January. 1 Ball, 1 Excelsior, 1 Brush, 1 Edison dynamos. Capacity of station, 54 arc, 400 inc. In use, 54 commercial arc, 350 commercial inc. 1 Russell engine, John Davis boilers, Saulsbury belts. Ju.

The Sun Electric Light Co. Capital stock, $250,000; paid in, $142,000. D. P. Perry, President. H. C. Palmly, Secretary. G. A. Rollins, Manager. 14 Sperry dynamos. Capacity of station, 330 arc. In use, 275 commercial arc. 1 Westinghouse, 3 Ideal engines, 3 Mohr boilers, Okonite wire. W W G.

The Turner Electric Light Co. Capital stock, $10,000. F. A. Wunder, President. D. B. Turner, Superintendent. 2 Ball dynamos. Capacity of station, 75 arc. In use, 70 commercial arc. Rice engines, Bishop and Grimshaw wire, ¼ miles of street circuits. Ju.

Central Electric Light Co. Capital stock, $100,000; all paid in. F. H. Cooper, Presi-

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dent. George Driggs, Secretary. Charles A. Munson, Superintendent. Charles F. Kroell, Electrician. Annual meeting held in February. 5 Slattery alternating dynamos. Capacity of station, 5,500 inc. In use, 4,200 commercial inc. 1 Armington & Sims and 1 Hamilton-Corliss engines, 4 J. Bee boilers, Munson belts, 6 Hill clutches, Grimshaw wire, 1 mile of street conduits. V G.

The Chicago Edison Co. Capital stock, $500,000; all paid in. F. S. Garton, Secretary. W. L. Church, Superintendent. L. A. Ferguson, Electrician. 12 Edison dynamos. Capacity of station, 40,000 inc. In use, 20,000 commercial inc. 4 Armington & Sims and 2 Ideal engines, 4 Heine boilers, Munson and Page belts, Simplex, Okonite and Kerite wire, 15 miles of street circuits. Z Z H.

Merchants' Arc Light and Power Co. Capital stock, $60,000; paid in, $34,000. Robert Bines, President. W. H. Collins, Secretary. J. W. Stevens, Superintendent. Annual meeting held in January. 5 Sperry dynamos. Capacity of station, 120 arc. In use, 120 commercial arc. 1 New York Safety engine, 2 Putman boilers, Ireson and Munson belts, Okonite wire, 4 miles of street circuits. S G.

Western Light and Power Co. Capital stock, $100,000. M. Eichbery, President. C. B. Wood, Secretary. W. M. Talcott, General Manager. Annual meeting held in June. 3 Thomson-Houston dynamos. Capacity of station, 150 arc. In use, 140 commercial arc. 2 Ball engines, 2 Phœnix boilers, Munson belts, Roebling and Simplex wire, 18 miles of street circuits. This company owns and operates the Lake View Electric Light Co.

Fidelity Electric Light Co. Capital stock, $15,000; all paid in. Frank A. Wunder, President. George N. Morgan, Secretary. B. B. James, Superintendent. Annual meeting held in January. 2 Schuyler dynamos. Capacity of station, 80 arc. In use, 78 commercial arc. Ideal engine, Munson belts, Patterson wire, 2 miles of street circuits. Ju.

Thirty-first Street Merchants' Electric Light Co. Capital stock, $10,000; paid in, $7,380. John McDermott, President. Jas. Cisler, Secretary and Superintendent. Wm. H. Leigh, Electrician. Annual meeting held in March. 2 Excelsior dynamos. Capacity of station, 105 arc. In use, 83 commercial arc. 1 New York Safety engine, National boiler, Munson belts, Habershaw & Shield brand wire, 2 miles of street circuits. Ju.

Calumet Electric Lighting Co. F. H. Watriss, President. C. H. Jackson, Superintendent. 3 Western dynamos. Capacity of station, 75 arc. P F.

Consumers' Electric Light Co. Capital stock, $100,000. M. J. Carbory, President. C. C. Schumacher, Secretary and Superintendent. Wm. Ryan, Electrician. Annual meeting held in December. 2 Van Depoele dynamos. Capacity of station, 120 arc. In use, 110 commercial arc, 1 Ide engine, 1 boiler, Munson belts, Okonite wire, 1 mile of street circuits. V G.

The South Side Electric Light Co. 80.

City Electric Light Plant. In charge of J. P. Barrett, City Electrician. Address at City Hall.

Hyde Park Electric Light Co. 75.

J. J. Curran. 75.

CLINTON. Clinton Electric Light, Heat and Power Co. Capital stock, $25,000; paid in, $15,000. V. Warner, President. L. Davis, Electrician. Annual meeting held in October. 2 Westinghouse dynamos. Capacity of station, 1,500 inc. In use, 1,361 commercial inc., 139 public street inc. 2 Westinghouse engines, 2 Drake boilers, Munson belts. City pays $16 per light per year for 139 inc. of 16 and 25 candles, burning all dark hours. P P G.

DANVILLE. Merchants' Edison Light and Power Co. Capital stock, $20,000; all paid in. Frank W. Renwell, President. A. R. Samuel, Secretary. O. J. Penwell, Super-

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intendent and Electrician. Annual meeting held in January. 10 Jenney dynamos. Capacity of station, 200 arc, 800 inc. In use, 160 commercial arc, 80 public street arc, 800 commercial inc. 1 Armington & Sims, 2 Ide engines, 4 Atlas boilers, 80 miles of street circuits. City pays $80 per light per year for 80 arc of 2,000 candles, burning all night on moon schedule. P F.

DECATUR. Decatur Electric Co. Capital stock, $25,000. J. K. Warner, President. B. K. Durfee, Secretary. R. J. Stratton, Superintendent. W. Burke, Electrician. Annual meeting held in March. Edison, Westinghouse, United States and Jenney dynamos. Capacity of station, 65 arc, 2,600 inc. In use, 40 commercial arc, 1,800 commercial inc. 4 Westinghouse engines, 2 Hazleton boilers, Munson belts, 8 Hill clutches, various wires, 8 miles of street circuits. Ju.

Decatur Gas Light and Coke Co. John K. Warner, President. B. K. Durfee, Secretary. R. J. Stratton, Superintendent. W. Burke, Electrician. Annual meeting held in March. 10 Edison, Ft. Wayne, Westinghouse and United States dynamos. Capacity of station, 70 arc, 2,600 inc. In use, 50 commercial arc, 1,800 commercial inc. 4 Westinghouse engines, 2 tubular, 2 Hazleton boilers, 8 miles of street circuits. W H.

City of Decatur uses Ft. Wayne Jenney system.

DIXON. Dixon Electric Light and Power Co. Capital stock, $15,000; all paid in. T. A. Watson, President. J. P. Plummer, Secretary. R. Schott, Superintendent. G. H. Talcott, Electrician. Annual meeting held in December. Thomson-Houston dynamos. Capacity of station, 25 arc, 1,000 inc. In use, 15 public street arc, 800 commercial inc. Armington & Sims engines, Porter boilers, Munson belts, Eclipse clutches, Grimshaw wire, 6 miles of street circuits. R. H.

EAST ST. LOUIS. St. Louis Illuminating Co. W. L. B. G. Allen, President. E. J. Bagnall, General Superintendent. 6 Thomson-Houston dynamos. Capacity of station, 140 arc. In use, 125 commercial arc. 1 Westinghouse, 2 Smith & Beggs engines, Standard belts, K. K. wire, 10 miles of street circuits. Ju.

Citizens' Electric Light Co. P F 85.

New Brighton Electric Light Co. Not yet in operation.

EDWARDSVILLE. Edwardsville Electric Light and Power Co. Capital stock, $10,000. E. W. Mudge, Proprietor. 1 Thomson-Houston dynamo. Capacity of station, 40 arc. In use, 19 commercial arc, 16 public street arc. Power is rented. 8 miles of street circuits. City pays $108 per light per year for 16 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires February 1, 1893. Ju.

ELGIN. Elgin City Railway Co. Capital stock, $200,000. Geo. P. Lord, President. A. B. Church, Secretary. Chr. Wustenfeld, Superintendent and Electrician. 8 Edison dynamos. Capacity of station, 50 arc, 5,000 inc. In use, 40 commercial arc, 4,000 commercial inc. 1 Ide, 2 Ball, 3 Armington & Sims engines, 6 Mohr boilers, Munson belts, Edison wire, 8 miles of street circuits. Ju.

City of Elgin. Arwin E. Price, Mayor. Wm. Heine, Chairman of Lighting Committee. Burn 75 arc of 2,000 candles, all of every night.

EVANSTON. Evanston Electric Light and Power Co. 75.

Evanston Electric Illuminating Co. 75.

FREEPORT. Freeport Gas Light and Coke Co. 75.

GALENA. Galena Electric Light Co. Capital stock, $10,000; all paid in. J. A. W. Meusel, President and Superintendent. J. G. Schmohl, Secretary. Annual meeting held in March. Slattery dynamos. Capacity of station, 800 inc. In use, 450 commercial inc., 100 public street inc. 1 Phœnix engine and boiler, Munson belts, K. K. wire, 14 miles of street circuits. City pays $15 per light per year for 100 inc. of 16 candles, burning till 2 A. M. every night. Contract expires annually in August. P G 80.

GALESBURG. Merchants' Electric Illuminating and Power Co. Capital stock, $50,000; all paid in. Howard Knowles, President. J. K. Mitchell, Secretary and Superintend-

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ent. F. B. Hazlett, Electrician. Annual meeting held in July. 10 Thomson-Houston and Westinghouse dynamos. Capacity of station, 275 arc, 500 inc. In use, 150 commercial arc, 117 public street arc, 100 commercial inc. 1 Ball, 1 Westinghouse, 2 Armington & Sims engines, tubular boilers, cotton and leather belts, Underwriters' wire, 30 miles of street circuits. City pays $69 per light per year for 117 arc of 2,000 candles, 85 burning till midnight, 32 all night, moon schedule. Contract expires annually. Ju.

JACKSONVILLE. Jacksonville Gas Light and Coke Co. Capital stock, $127,000; all paid in. M. P. Ayers, President. F. M. Doan, Secretary and Superintendent. George Hocking, Electrician. Annual meeting held in February. 4 Thomson-Houston dynamos. Arc capacity of station, 143, 50 commercial arc, 60 inc., 55 public arc in use. 3 Ide engines, 3 Pond boilers, Munson belts, P. & B. and Underwriters' wire. W H.

JERSEYVILLE. Jerseyville Electric Light, Gas and Power Co. Capital stock, $20,000; paid in, $15,400. J. G. Schwarz, President. W. E. Carlin, Secretary. W. S. Daniels, Electrician. Annual meeting held in June. 2 Edison dynamos. Capacity of station, 600 inc., in use, 300 commercial inc., 51 public street inc. 1 Armington & Sims engine, 1 boiler, Shultz belts, 3½ miles of street circuits. City pays $36 per light per year for 51 inc. of 32 candles, burning every night till midnight. Contract expires in December, 1892. P H.

JOLIET. Joliet Light, Power and Transit Co. Not in operation.

Citizens' Electric Light Co. Capital stock, $250,000. S. S. Badger, President. L. E. Ingalls, Secretary and Treasurer. J. N. H. Staley, Superintendent and Electrician. Van Depoele and Fuller, 50 lights. 1 Payne engine. Y H.

Joliet Electric Light Co. 75.

KANKAKEE. Kankakee Electric Co. H. C. Hodgkins, President. J. F. Moffett, Secretary. J. B. Reed, Superintendent. E. A. Sizer, Electrician. 1 Westinghouse, 2 Western dynamos. Capacity of station, 90 arc, 750 inc. In use, 50 commercial arc, 40 public street arc, 800 commercial inc. 2 Payne engines, 2 Hazleton boilers, Munson belts, Shield brand and Underwriters' wire, 10 miles of street circuits. City pays $71.25 per light per year for 40 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in August, 1891. G 85.

KEWANEE. Kewanee Electric Light and Motor Co. Capital stock, $12,000; all paid in. Dr. Chas. E. Barney, President and Superintendent. I. R. Blish, Secretary. P. Barton, Electrician. Annual meeting held in January. Westinghouse dynamo. Capacity of station, 950 inc. In use, 500 commercial inc. Ideal engine, Haxtum boiler, Chicago Belting Co. belts.

LA GRANGE. La Grange Light and Water Co. J. F. Moffett, President. C. F. Moffett, Secretary. W. S. Reed, Superintendent. Frank Savoie, Electrician. 1 Thomson-Houston alternating dynamo. Capacity of station, 1,000 inc. In use, 900 commercial inc. Ide engine, Erie boiler, Munson belts, Habershaw wire, 7½ miles of street circuits.

LAKE. Lake Arc Light Co. 75.

LA SALLE. Twin City Gas Works (La Salle and Peru). Capital stock, $60,000; all paid in. James W. Duncan, President. A. J. O'Conor, Secretary. N. W. Duncan, Manager. Annual meeting held in April. 1 United States inc., 2 Thomson-Houston arc dynamos. Capacity of station, 50 arc, 500 inc. In use, 25 commercial arc, 25 public street arc, 400 commercial inc. 2 Ide engines, rent boiler power, Munson belts. City pays $144 per light per year for 25 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires annually. S S H.

LEWISTON. Lewiston Electric Light, Heat and Power Co. Capital stock, $10,000; all paid in. Dr. D. D. Talbott, President and Superintendent. H. W. Phelps, Secretary and Electrician. Annual meeting held in January. 2 Edison dynamos. Capacity of

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station, 600 inc. In use, 488 commercial inc., 50 public street inc. 1 Ide engine, Frost boiler, Roebling wire, 8 miles of street circuits. City pays $20 per light per year for 50 inc. of 32 candles, burning every night till midnight. Contract expires in January, 1895. P F.

LINCOLN. Lincoln Electric Light and Power Co. Capital stock, $30,000; all paid in. A. J. Aldrich, Superintendent. W. S. Reed, Electrician. 1 Thomson-Houston arc, 1 Westinghouse alternating dynamo. Capacity of station, 35 arc, 750 inc. 2 Ide engines, Porter and Wickes boilers. Ju 80.

Gas and Electric Light Co. Capital stock, $80,000. S. C. Foley, President. D. H. Harts, Secretary. 1 Van Depoele dynamo. Capacity, 40 lights. 1 Ide engine. Not in operation. G.

LITCHFIELD. Litchfield Electric Light and Power Co. Capital stock, $15,000; all paid in. Geo. H. Pomeroy, President. E. R. Elliott, Secretary. H. Tinklepaugh, Superintendent. Annual meeting held in June. 5 Thomson-Houston dynamos. Capacity of station, 165 arc. In use, 90 commercial arc, 35 public street arc. Rice and Westinghouse engines, Heine boilers, Hill clutches, Underwriters' and P. & B. wire, 10 miles of street circuits. City pays $96 per light per year for 35 arc of 2,000 candles, burning on moon schedule. Contract expires in November, 1899. P P G.

MACOMB. Macomb Electric Light and Gas Co. G 75.

MASON CITY. Walter R. Porter. 1 Ball dynamo. Capacity of station, 50 arc. In use, 35 commercial arc, 14 public street arc. 1 Rice engine, 3 miles of street circuits. City pays $800 per year for 14 arc of 1,200 candles, burning on moon schedule. Contract expires in December, 1890. Ju.

MAYWOOD. Maywood and Proviso Electric Light and Power Co. 75.

MENDOTA. Mendota Electric Light Co. Capital stock, $25,000; all paid in. M. A. McKey, President. Max A. F. Haass, Secretary. L. R. Curtiss, Superintendent and Electrician. Annual meeting held in July. Thomson-Houston arc, Westinghouse inc. dynamos. Capacity of station, 25 arc, 900 inc. In use, 20 commercial arc, 1 public street arc, 500 commercial inc., 21 public street inc. Ideal engines, Atlas boilers, Munson and Schieren belts, Trinidad wire, 24 miles of street circuits. City pays $144 per light per year for 1 arc of 2,000 candles, and $21 for 21 inc. of 16 candles, burning till midnight on moon schedule. Contract expires in 1894. P P G.

MOLINE. People's Light and Fuel Manufacturing Co. Capital stock, $75,000; all paid in. J. M. Gould, President. S. S. Davis, Secretary and Superintendent. Annual meeting held in May. 2 Westinghouse, 4 United States dynamos. Capacity of station, 20 arc, 1,700 inc. In use, 1,700 commercial inc., 36 public street inc. 2 Buckeye engines, 3 boilers, Munson belts, 6 Hill clutches, Roebling and other wires, 48 miles of street circuits. V V G.

MONMOUTH. Edison Illuminating Co. Capital stock, $10,000; all paid in. H. H. Pattee, President. D. S. Hardins, Secretary. A. H. McCorkle, Electrician. Annual meeting held in February. 4 Edison dynamos. Capacity of station, 900 inc. In use, 850 commercial inc., 53 public street inc. 2 50 h. p. Ideal engines, 2 boilers. City pays $30 per light per year for 53 inc. of 32 candles, burning every night till midnight. Contract expires annually in June. P F.

MORRIS. Morris Electric Light Co. Capital stock, $5,000; paid in, $2,500. H. L. Miller, President. C. H. Kusel, Secretary. L. Degen, Superintendent and Electrician. Annual meeting held in November. 1 Brush dynamo. Capacity of station, 45 arc. In use, 20 commercial arc, 4 commercial inc. 1 Otto gas engine, Schieren and Munson belts, Eclipse clutches, Underwriters' wire, 3 miles of street circuits. L F.

MORRISON. Morrison Electric Light and Power Co. Not yet in operation.

MT. VERNON. Mt. Vernon Electric Light Co. Capital stock, $10,000; all paid in. Geo. W. Evans, President. Allen C. Tanner, Secretary and Superintendent. Sherman

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Coleman, Electrician. 2 Excelsior dynamos. Capacity of station, 40 arc. In use, 14 commercial arc, 21 public street arc, 5 commercial inc. Westinghouse engines, Brownell boilers, Shultz and Munson belts, Simplex and Underwriters' wire, 6½ miles of street circuits. City pays $110 per light per year for 21 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in October, 1894. P G.

MURPHYSBORO. Murphysboro Water Works, Electric and Gas Light Co. Capital stock, $60,000; all paid in. W. K. Murphy, President. Willard Wall, Secretary. F. McMillan, Electrician. Annual meeting held in September. Excelsior and Fort Wayne Jenney dynamos. Capacity of station, 80 arc, 600 inc. In use, 9 commercial arc, 21 public street arc, 360 commercial inc. Pond engines and boilers, Simplex wire, 5 miles of street circuits. City pays $144 per light per year for 21 arc of 2,000 candles, burning all of every night. Contract made in October, 1889, for 20 years. V H.

NAPERVILLE. Naperville Electric Co. Capital stock, $12,000; all paid in. C. C. Travis, President. R. E. Travis, Secretary, Superintendent and Electrician. 1 Thomson-Houston alternating dynamo. Capacity of station, 650 inc. In use, 650 commercial inc., 86 public street inc. 1 New York Safety engine and boiler, Shieren belts, Weatherproof wire, 10 miles of street circuits. City pays $15 per light per year for 86 inc. of 25 and 50 candles, burning till 2 A. M. on all dark nights. Contract expires in February, 1895. Ju.

OLNEY. Olney Edison Electric Light Co. Capital stock, $20,000. H. M. Hall, President. C. F. Foskett, Vice-President and General Manager. A. Knoph, Secretary. L. Cullison, Electrician. Annual meeting held in January. 4 Edison dynamos. Capacity of station, 2,000 inc. In use, 600 commercial inc., 80 public street inc. 2 Westinghouse engines, 2 Erie boilers, Underwood belts, 5 miles of street circuits. City pays $36 per light per year for 80 inc. of 32 candles, burning all of every night. Contract expires in 1897. R H.

OTTAWA. Illinois Valley Electric Light and Power Co. (Ottawa and Marseilles.) Capital stock, $20,000; paid in, $15,000. L. B. Merrifield, President. A. F. Schock, Secretary and Treasurer. C. L. Ballard, Superintendent. Lewis Degen, Electrician. Annual meeting held in April. 1 Heisler dynamo. Capacity of station, 700 (32 c. p.) inc. In use, 500 commercial inc. 2 60 h. p. water wheels, Munson belts, P. & B., Moore and Weatherproof wire, 45 miles of street circuits. P P F.

Thomas Electric Light and Power Co. Capital stock, $15,000. Wm. Thomas, President. Douglas Hofeman, Secretary. H. M. Whitehead, Electrician. Annual meeting held in April. 4 Thomson-Houston dynamos. Capacity of station, 90 arc, 600 inc. In use, 85 commercial arc. Water power, Munson belts, Underwriters' and Weatherproof wire, 8 miles of street circuits. No city contract. R H.

PANA. Springside Coal Mining Co. Capital stock, $50,000; paid in, $35,000. J. W. Mitchell, President. D. J. Overholt, Secretary. J. P. Walters, Electrician. Annual meeting held in April. 1 Thomson-Houston dynamo. Capacity of station, 650 inc. In use, 650 commercial inc. 1 Ideal engine, 4 O'Brien boilers, Schieren belts, Roebling wire, 14 miles of street circuits. S G.

PARIS. City Electric Light Plant. Cost $10,000. W. R. Swinford, Mayor. W. S. Hopkins, Superintendent. Ft. Wayne Jenney dynamo. Capacity of station, 60 arc. In use, 60 public street arc. Bass engine, Cliff boilers, 5 miles of street circuits, lamps burning on moon schedule.

Paris Gas Light and Coke Co. Capital stock, $50,000; paid in, $45,000. L. E. Powell, President and Superintendent. J. E. Parrish, Secretary. Robt. Mershon, Electrician. Annual meeting held in January. 2 Edison dynamos. Capacity of station, 900 inc. In use, 539 commercial inc. Ide engine, Mohr boiler, Munson belts, 2 miles of street circuits. V V H.

PEKIN. Jenney Electric Light and Power Co. Capital stock, $25,000. G. H. Lucas,

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President. J. P. Smith, Secretary. Ft. Wayne Jenney dynamo. Capacity, 100 arc. 2 Ball engines. Ju.

PEORIA. Jenney Electric Light and Power Co. Capital stock, $100,000; all paid in. L. Robinson, President. La Fayette Cole, Secretary and Superintendent. Louis Crawley, Electrician. Annual meeting held November 10th. 18 F. or J. E. H. Co. dynamos. Capacity of station, 400 arc, 2,500 inc. In use, 145 commercial arc, 295 inc., 280 public. 4 Bass, 5 Armington engines, 6 Bass Foundry boilers, Munson belts, Roebling wire, 85 miles of circuits. W H.

PERU. Peru Electric Light and Water Supply Co. Capital stock, $8,000; all paid in. R. C. Hallenham, President. Wm. E. Moore, Secretary. Theo. Weberling, Superintendent. N. Sansen, Electrician. Annual meeting held in January. 2 Edison dynamos. Capacity of station, 500 inc. In use, 350 commercial inc., 75 public street inc. 1 Russell engine, 1 tubular boiler, Salsbury and Kline belts, Edison wire, 10 miles of street circuits. City pays $18 and $36 per light per year for 75 inc. of 16 and 32 candles, burning every night till midnight. N G.

PETERSBURG. The Electric Light and Power Co. Capital stock, $6,000. Charles Dwight, President. 1 Ball dynamo. Capacity of station, 70 arc. 56 commercial arc, 28 inc. in use. 1 Ideal high speed engine, 1 Drake boiler, P. & B. wire, about 6 miles of circuits. W F.

PONTIAC. H. A. Foster & Co. Capital stock, $15,000; paid in, $14,000. H. A. Foster, Manager. 2 Thomson-Houston dynamos. Capacity of station, 25 arc, 600 inc. In use, 10 commercial arc, 15 public street arc, 210 commercial inc. 180 h. p. Ideal engine, Mohr boilers, link belts, Simplex and Underwriters' wire, 11 miles of street circuits. City pays $16.80 per light per year for 15 inc. of 16 candles, burning till 1 A. M. on moon schedule. Contract expires in June 1894. P F.

QUINCY. Thomson-Houston Electric Light and Power Co. Capital stock, $100,000. W. W. Berry, President. A. W. Littleton, Secretary. A. B. Faunce, Superintendent. 8 Thomson-Houston dynamos. Capacity of station, 300 arc, 400 inc. In use, 70 commercial arc, 179 public street arc, 330 commercial inc. 4 Ball engines, 8 Smith, Hill & Co. boilers, Schieren belts, Underwriters' wire, 70 miles of street circuits. City pays $100 per light per year for 179 arc of 2,000 candles, burning all night on moon schedule. Contract made annually in October. Ju.

Quincy Gas Light and Fuel Co. 75.

ROCKFORD. Forest City Electric Light and Power Co. Capital stock, $30,000; all paid in. E. L. Woodruff, President. M. A. Beal, Secretary. Annual meeting held in April. 3 Van Depoele, 6 Edison dynamos. Capacity of station, 60 arc, 4,000 inc. In use, 55 commercial arc, 5,000 commercial inc. New York Safety, Reynolds, Corliss and Ideal engines, 4 boilers. V G.

Rockford Electric Power Co. V G 75.

ROCK ISLAND. Merchants' Electric Light Co. Capital stock, $15,000; paid in, $5,100. T. B. Davis, President and Superintendent. S. S. Davis, Secretary. C. Berger, Electrician. In use, 750 commercial inc., 23 public street inc. Underwriters' wire, 17 miles of street circuits. City pays $18 per light per year for inc. of 16 candles, $60 for 50 candles and $120 for 150 candles, burning all dark hours. No regular contract. The People's Light and Fuel Co., of Moline, furnish current to this company and the People's Light Co., of Davenport, Ia. This company owns all the wires in Rock Island and the mains in Davenport.

Rock Island Brush Electric Light Co. Capital stock, $24,000; paid in, $15,800. J. R. Johnson, Secretary. James Blaisdell, Superintendent. Wm. Robb, Electrician. Annual meeting held in December. 3 dynamos. Capacity of station, 120 arc and 450 inc. In use, 22 commercial arc and 300 inc. 1 Ide high speed engine, 2 boilers, 1 Ide. Ansonia wire, 20 miles of circuits. 80.

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ROODHOUSE. Roodhouse Electric and Power Co. Ellis Briggs, President. John H. Wolfe, Secretary, Superintendent and Electrician. Annual meeting held in February. 2 Western dynamos. Capacity of station, 55 arc. In use, 34 commercial arc, 12 public street arc. 2 Westinghouse engines, 2 Erie boilers, Shultz belts, 7 miles of street circuits. City pays $144 per light per year for 10 arc of 2,000 candles, burning on moon schedule. Contract expires in October, 1893. M F.

SHELBYVILLE. Shelbyville Water Co. Capital stock, $100,000. Charles Whann, President. C. B. Ludwig, Secretary. W. T. Thornton, Superintendent. 1 American dynamo. Capacity of station, 50 arc. 24 commercial arc in use. 1 New York Safety high speed engine, 2 Whittier tubular boilers, Schieren belts, K. and K. wire, 5½ miles of circuits. W F.

SOUTH EVANSTON. City Electric Light Plant.

SPRINGFIELD. Electric Light and Power Co. Capital stock, $100,000; all paid in. A. L. Ide, President. George S. Black, Secretary. L. G. Bronson, Superintendent. J. W. Brown, Electrician. Annual meeting held in January. 11 dynamos, American and Thomson-Houston. Capacity of station, 310 arc. In use, 80 commercial arc, 110 public, 700 commercial inc, 300 public inc. 6 Ideal high speed engines, 7 Drake boilers, Munson belts, K. & K. wire, 70 miles of circuits. W G.

STERLING. Sterling Gas and Electric Light Co. Capital stock, $40,000; all paid in. W. A. Sanborn, President. John Charter, Secretary and Superintendent. James A. Charter, Electrician. Annual meeting held in June. 1 Van Depoele and 2 Westinghouse dynamos. Capacity of station, 30 arc, 1,000 inc. In use, 24 commercial arc, 300 commercial inc., 200 public street inc. Water power, Munson belts, 5 McDonald clutches, Roebling wire, 21 miles of street circuits. City pays $17 per light per year for 200 inc. of 25 candles, burning on moon schedule. Contract expires in October, 1894. S S H.

STREATOR. People's Electric Light Co. Capital stock, $50,000; all paid in. Everell Stiles, President. William A. Stiles, Secretary. John Pratzman, Superintendent. Annual meeting held in January. 4 Mayo inc. and 3 Van Depoele arc dynamos. Capacity of station, 150 arc, 1,600 inc. In use, 115 commercial arc, 34 public street arc, 1,200 commercial inc. New York Safety and Rice engines, 2 Phœnix boilers, leather belts, Roebling wire, 12 miles of street circuits. City pays $96 per light per year for 34 arc of 2,000 candles, burning all of every night. Contract expires in 1894. F 85.

SYCAMORE. Sycamore Electric Light Co. Capital stock, $10,000; paid in, $8,200. John B. Whalen, President and Superintendent. C. M. Conrad, Secretary. Annual meeting held in April. 1 Van Depoele arc and 2 Mayo inc. dynamos. Capacity of station, 30 arc, 200 inc. In use, 30 commercial arc, 200 commercial inc. 1 Taylor engine and boiler, cotton leather belts, Roebling wire, 1 mile of street circuits. P F.

TAYLORVILLE. Taylorville Electric Co. Capital stock, $15,000; all paid in. W. W. Anderson, President. J. N. C. Shumway, Secretary and Superintendent. F. O. Sterrett, Electrician. Annual meeting held in October. 1 Thomson-Houston dynamo. Capacity of station, 650 inc. In use, 340 commercial inc, 114 public street inc. 1 80 h. p. Ideal engine, Hazleton tripod boiler, Candee wire, 6 miles of street circuits. City pays $12 per light per year for 114 inc. of 16 candles, burning till midnight on moon schedule. Contract expires in October, 1894. P P G.

URBANA. Plant purchased by city in 1888 for $5,000. 30 lights of 2,000 candle power. Fort Wayne Jenney system. Run by steam in connection with water works.

T. Wright & Son. Capital stock, $8,000; all paid in. 1 Wood dynamo. Capacity of station, 60 arc. In use, 30 public arc. 1 Bass engine, Wright boilers, Chicago Rawhide belts, Underwriters' wire, 8 miles of circuits.

VANDALIA. Vandalia Light and Fuel Co. Capital stock, $12,000; paid in, $4,800.

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Fred. Remann, President. D. M. Clark, Secretary and Superintendent. E. S. Murdock, Electrician. Annual meeting held in April. 1 Westinghouse dynamo. Capacity of station, 750 inc. In use, 200 commercial inc., 118 public street inc. 1 Westinghouse engine, 1 Brownell boiler, Day belts, Roebling, Grimshaw and Okonite wire, 12 miles of street circuits. City pays $18 per light per year for 118 inc. of 25 candles, burning till midnight on moon schedule. Contract expires in January, 1895. Ju.

VIRGINIA. Virginia Electric Light Co. Paid in capital, $7,000. 1 Ball dynamo. Capacity of station, 50 arc. In use, 5 commercial arc, 85 commercial inc. 1 Rice engine, cotton leather belts, P. & B. wire, 5 miles of street circuits. M M F.

WARSAW. Warsaw Electric Light Co. See Addenda.

WAUKEGAN. Electric Light Co. Not in operation.

WILMINGTON. Campbell, Campbell & Field. Capital stock, $5,000. Jno. Campbell, President and Secretary. E. Field, Superintendent. B. Jackson, Electrician. Thomson-Houston dynamos. Capacity of station, 500 inc. In use, 199 commercial inc., 100 public street inc. Water power, Munson belts, 9 miles of street circuits. City pays $7.80 per light per year for 100 inc. of 20 candles, burning till midnight on moon schedule. Contract expires in December, 1890. Ju.

INDIANA.

ANDERSON. I. D. Bosworth. Capital stock, $10,000; all paid in. 1 Thomson-Houston dynamo. Capacity of station, 45 arc. In use, 24 commercial arc, 22 public street arc. 1 engine, 2 boilers, Underwriters' wire, 8½ miles of street circuits. City pays $60 per light per year for 22 arc of 1,200 candles, burning on moon schedule till 1 A. M. Contract expires annually in February. P P G.

ANGOLA. Angola Schuyler Electric Light Co. Capital stock, $10,000. T. W. Rusell, President. W. E. Kimsey, Secretary and Superintendent. John Weiss, Electrician. Annual meeting held in December. 1 Schuyler dynamo. Capacity of station, 50 arc. In use, 25 commercial arc, 13 public street arc. 1 Russell engine and boiler, 2½ miles of street circuits. City will pay $65 per light per year for 13 arc of 2,000 candles, burning every night till midnight. Contract made for 2 years from time of starting. P F.

AUBURN. Auburn Mining Co. Capital stock, $20,000; paid in, $19,650. J. B. Casebur, President. W. H. McIntyre, Secretary. J. A. Johnson, Electrician. Annual meeting held in March. Waterhouse dynamos. Capacity of station, 35 arc, 300 inc. In use, 20 commercial arc, 13 public street arc. Russell engines and boilers, Simplex, P. & B. and Roebling wire, 8 miles of street circuits. City pays $96 per light per year for 13 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires October 1, 1894. P F.

BEDFORD. Bedford Electric Light and Power Co. J. V. Thornton, Superintendent. J. H. Bell, Electrician. Thomson-Houston dynamos. Capacity of station, 50 arc, 650 inc. In use, 27 commercial arc, 20 public street arc, 58 commercial inc. 1 Russell engine and boiler, Munson belts, K. K. wire, 3 miles of street circuits. City pays $75 per light per year for 20 arc of 2,000 candles, burning till midnight on moon schedule. Contract made in November, 1889, for 20 years. Ju.

BLOOMINGTON. Bloomington Jenney Electric Light and Power Co. Capital stock, $5,000; all paid in. John Waldron, President and Superintendent. Frank R. Wooley, Secretary. T. Jeffries, Electrician. Annual meeting held in June. 2 Jenney dynamos. Capacity of station, 42 arc. In use, 26 commercial arc, 16 public street arc. 1 Atlas engine and boiler, 10 miles of street circuits. City pays $66 per light per year for 16 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in April, 1894. P F.

BLUFFTON. Parker & Aner. Capital stock, $10,000; all paid in M. Aner, Superin-

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tendent. 1 Thomson-Houston dynamo. Capacity of station, 40 arc. In use, 35 commercial arc. 1 125 h. p. Phœnix engine, 1 100 h. p. Phœnix boiler, Munson belts, K. K. wire, 3 miles of street circuits. Ju.

BRAZIL. Brazil Electric Light Co. Capital stock, $30,000; paid in, $25,000. E. W. Smith, President. I. Jarboe, Secretary. H. A. Morgan, Electrician. Annual meeting held in January. 2 Jenney and 3 United States dynamos. Capacity of station, 80 arc, 700 inc. In use, 34 commercial arc. 2 Crawford & McCommar high speed engines, 4 J. Vanes boilers, 8 miles of circuits. R H.

COLUMBIA CITY. J. H. & G. W. Ruch. Capital stock, $15,000; all paid in. Slattery and Jenney dynamos. Capacity of station, 35 arc, 650 inc. In use, 33 public street arc, 300 commercial inc. 1 Bass engine and boiler, Shultz belts, American and Underwriters' wire, 6½ miles of street circuits. City pays $75 per light per year for 33 arc of 2,000 candles, burning till midnight on all dark nights. Contract expires in April, 1893. P G.

COLUMBUS. Citizens' Electric Light Co. Capital stock, $15,000; all paid in. A. Keller, President. C. M. Keller, Secretary and Superintendent. Annual meeting held in April. 2 Thomson-Houston dynamos. Capacity, 100 arc. In use, 40 commercial arc. 2 Atlas high speed engines, 2 Atlas boilers, Schieren belts, K. & K. wire, 7 miles of circuits. P P G.

CRAWFORDSVILLE. Crawfordsville Water and Light Co. Capital stock, $300,000. John S. Brown, President. P. C. Somerville, Secretary and Superintendent. O. C. Irwin, Electrician. 4 Thomson-Houston dynamos. Capacity of station, 170 arc. In use, 48 commercial arc, 73 public street arc, 40 (series) commercial inc. 1 Atlas and 1 Hamilton-Corliss engines, 3 Pond boilers, Akron belts, 7 Hill clutches, Underwriters' wire, 13 miles of street circuits. City pays $70.15 per light per year for 73 arc of 1,200 candles, burning on moon schedule. Contract expires in August, 1891. Ju.

DELPHI. Carroll Electric Light Co. 75.

ELKHART. Elkhart Electric Co. Capital stock, $30,000; paid in, $15,000. O. N. Lunber, President. James Kavanaugh, Secretary and Superintendent. Annual meeting held in February. 1 National inc. and 5 Brush arc dynamos. 2 Rae generators for street railroad. Capacity of station, 90 arc, 1,200 inc. In use, 82 commercial arc, 1,000 commercial inc. 1 200 h. p. Rice engine, 2 100 h. p. boilers, Munson, Schieren and Page belts, 1 Taper Sleeve and 4 Eclipse clutches, P. & B. wire, 4 miles of street circuits. P P G.

EVANSVILLE. Evansville Gas and Electric Light Co. Capital stock, $600,000; all paid in. F. J. Reitz, President. J. B. Hall, Jr., Secretary. C. P. White, Superintendent and Electrician. Annual meeting held in January. 10 Westinghouse and Brush dynamos. Capacity of station, 300 arc, 2,500 inc. In use, 90 commercial arc, 169 public street arc, 2,000 commercial inc. Cummer and Ball engines, 4 Heilman boilers, Hill clutches, American and Moore wire, 40 miles of street circuits. City pays $120 per light per year for 169 arc of 2,000 candles, burning all night on moon schedule. Contract expires in 1895. Z Z H.

The Evansville Electric Light and Power Co. 75.

FORT WAYNE. Jenney Electric Light and Power Co. Capital stock, $50,000; paid in, $46,050. Henry C. Graffe, President. E. H. McDonald, Secretary. C. G. Guild, Superintendent. S. Towns, Electrician. Annual meeting held in November. 15 Ft. Wayne Jenney dynamos. Capacity of station, 480 arc, 2,000 inc. In use, 400 commercial arc, 147 public street arc, 1,500 commercial inc. 1 Bass engine, 5 Bass boilers, Page belts, 12 Hill clutches, various wires, 50 miles of street circuits. City pays $150 per light per year for 147 arc of 2,000 candles, burning on moon schedule. V G.

FRANKFORT. Citizens' Electric Light Co. Capital stock, $25,000. D. F. Allen, President. Horton Dowd, Electrician. S G 75.

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GOSHEN. The Citizens' Electric Co. Woodson V. Messick, President. Dr. A. J. Irwin, Secretary and Superintendent. Wm. H. Self, Electrician. Annual meeting held in March. 1 National dynamo. Capacity of station, 1,000 inc. In use, 800 commercial inc. 1 Noyes engine, 2 Bass boilers, Gutta Percha and Rubber Co. belts, P. & B. and American wire, 3 miles of street circuits. Ju.

City of Goshen. 80.

GREENCASTLE. Greencastle Electric Light Co. Capital stock, $25,000; paid in, $15,000. J. T. Stewart, President, Superintendent and Electrician. S. K. Stewart, Secretary. Annual meeting held in December. 2 Jenney dynamos. Capacity of station, 30 arc, 200 inc. In use, 15 commercial arc, 15 public street arc, 175 commercial inc. New York Safety engines, leather belts, P. & B. wire, 8 miles of street circuits. City pays $72 per light per year for 15 arc of 2,000 candles, burning on moon schedule. Contract expires annually in May. Ju.

GREENSBURG. Greensburg Gas and Electric Co. Capital stock, $65,000; paid in, $48,000. W. S. Woodfill, President. Marshall Grover, Secretary. J. P. Long, Superintendent. N. Mitchell, Electrician. Annual meeting held in April. 2 Wood dynamos. Capacity of station, 120 arc. In use, 49 commercial arc, 43 public street arc. 1 Payne Corliss engine, 1 boiler, Munson and Link belts, 2 Hill clutches, Shield brand wire, 9 miles of street circuits. City pays $80 per light per year for 40 arc of 2,000 candles, burning on moon schedule. Contract expires on February 21, 1895. V G.

HUNTINGTON. City of Huntington. M. Robinson, Superintendent. 2 Jenney dynamos. Capacity of station, 60 arc. In use, 51 public street arc. 1 Bass Foundry and Machine Works engine and boiler, 12 miles of street circuits. Costs the city about $60 per light per year, the lamps burning till 3 A. M. on all dark nights.

Huntington Gas Light and Fuel Co. Capital stock, $60,000; all paid in. Bascom Parker, President and Superintendent. 2 Thomson-Houston dynamos. Capacity of station, 85 arc. 60 commercial arc in use. 1 Dick & Church high speed engine, Munson belts, Underwriters' wire, 3 miles of circuits. O 80.

INDIANAPOLIS. Marmon & Perry. Partnership, $100,000. C. C. Perry, Manager. T. A. Wynne, Electrician. 5 Thomson-Houston dynamos. Capacity of station, 3,000 inc. In use, 1,800 commercial inc. 2 McIntosh & Seymour engines, 2 Atlas boilers, Schieren belts, Standard Underground Cable Co. wire, 3 miles of underground conduits. W G.

Indianapolis Brush Electric Light and Power Co. Capital stock, $150,000; all paid in. John Caven, President. C. C. Curtis, Secretary. E. Mellter, Superintendent and Electrician. Annual meeting held in October. 12 Brush dynamos. Capacity of station, 450 arc. In use, 360 commercial, 112 public street arc. Atlas-Corliss, Ball and Straight Line engines, 40 miles of street circuits. City pays $80 per light per year for 112 arc of 2,000 candles, burning all of every night. Contract expires in December, 1890. V V H.

JEFFERSONVILLE. The Electric Light, Gas, Heating and Coke Co. Capital stock, $100,000. S. Goldback, President. A. A. Swarz, Secretary. J. Dunscam, Superintendent and Electrician. Annual meeting held in January. 1 Brush inc., 2 Thomson-Houston arc dynamos. In use, 60 public street arc. Phœnix and Armington & Sims engines, K. K. wire, 11 miles of street circuits. City pays $90 per light per year for 60 arc of 2,000 candles, burning till 1 A. M. every night. Contract expires in October, 1901. W G.

KENDALLVILLE. Kendallville Electric Light Co. 75.

KOKOMO. Kokomo Electric Co. Capital stock, $10,000; all paid in. Wm. Sellers, President. F. M. Duval, Secretary. Henry Mowry, Superintendent and Electrician. Annual meeting held in November. 3 Thomson-Houston dynamos. Capacity of station, 115 arc. In use, 34 commercial arc, 46 public street arc. Russell engines, 12

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miles of street circuits. City pays $100 per light per year for 46 arc of 2,000 candles, burning all of every night. Contract expires in January, 1898. P F.

LA FAYETTE. La Fayette Gas Light Co. Capital stock, $240,000. William Wallace, President and Superintendent. Adam Wallace, Secretary. Annual meeting held in February. 4 Thomson-Houston dynamos. Capacity of station, 150 arc. In use, 110 commercial arc, 40 (series) commercial inc. 1 Russell, 1 Armington & Sims engines, 8 boilers, 10 miles of street circuits. Z H.

Brush Electric Light Co. Not yet in operation.

LA PORTE. Harding-Stahl Electric Light Co. Capital stock, $14,000; all paid in. 2 Van Depoele dynamos. Capacity of station, 60 arc. In use, 52 commercial arc, 8 public street arc. 2 Nagle engines, Munson belts, Underwriters' wire, 7 miles of street circuits. City pays $90 per light per year for 8 arc of 2,000 candles, burning till 11 P. M. every night. Contract expires annually in December. Ju.

LAWRENCEBURG. Lawrenceburg Electric Light Co. Capital stock, $12,000; paid in, $6,000. John Johnson, President and Secretary. James M. Johnson, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 15 commercial arc, 51 commercial inc. Atlas engine and boiler, Munson belts, 5 miles of street circuits.

LIGONIER. B. F. Draper. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 30 commercial arc, 20 public street arc. 1 40 h. p. Phœnix engine, 1 60 h. p. boiler, Munson belts, Roebling wire, 4 miles of street circuits. City pays $70 per light per year for 20 arc of 1,600 candles, burning till 12.45 A. M. on moon schedule. Contract made April 1, 1890, expires November 1, 1894. Ju.

LOGANSPORT. Jenney Electric Light and Power Co. Capital stock, $50,000. A. R. Shroyer, President. Victor E. Seiter, Secretary, Treasurer and Manager. Geo. B. Warner, Electrician. Annual meeting held in August. Excelsior, Slattery and Jenney dynamos. Capacity of station, 171 arc, 600 inc. In use, 76 public street arc, 428 commercial inc. Hamilton and Bass engines, Bass boilers, Schieren and Page belts, Grimshaw wire. City pays $95 per light per year for 76 arc of 2,000 candles, burning on moon schedule. Contract expires January 1, 1895. 117.

MADISON. City Electric Light Plant. Frank McKay, Electrician. 4 Jenney dynamos. Capacity of station, 84 arc. In use, 84 public street arc. Madison engines, Chas. Henry boilers, Schieren belts, 10 miles of street circuits. Lamps burn on moon schedule, or when needed, and cost the city about $5,000 per year.

Madison Electric Light and Power Co. Geo. E. Trow, President. John A. Zuck, Secretary. Chas. R. Johnson, Superintendent. No franchise yet secured, but a partial consolidation has been effected with the Madison Gas Light Co., with a view of purchasing the city plant and installing a commercial plant therein.

MARION. Marion Electric Light Plant. Capital stock, $21,000; all paid in. M. C. Mead, Proprietor. Thomson-Houston arc and Slattery inc. dynamos. Capacity of station, 50 arc, 650 inc. In use, 50 commercial arc, 400 commercial inc. 2 Ide engines, 2 Atlas boilers, Munson and Hoyt belts, P. & B. and Underwriters' wire. City is lighted with natural gas. R G.

MARTINSVILLE. Plant owned by city. Purchased in 1884 for $5,000. Jenney system. 31 arc of 2,500 candle power. Run by steam. R. Curry, Mayor.

MICHIGAN CITY. Rawson & Root Lumber Co. Capital stock, $60,000; all paid in. H. A. Root, President. C. W. Woods, Secretary. W. M. Warner, Superintendent. John W. Hudson, Electrician. Annual meeting held in June. 2 Heisler dynamos. Capacity of station, 1,600 inc. In use, 1,250 commercial inc., Shultz belts, K. K. wire, 9 miles of street circuits. V G.

Plant owned by city. Purchased in 1886 for $7,000. Jenney system, 46 lights of 2,000 candle power. Run by steam in connection with water works.

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MUNCIE. Heat, Light and Power Co. Capital stock, $50,000; paid in, $42,000. James Boyce, President. Edward J. Boyce, Secretary. Chas. W. Boyce, Superintendent and Electrician. Annual meeting held in March. Edison and Brush dynamos. Capacity of station, 50 arc, 800 inc. In use, 40 commercial arc, 500 commercial inc. 2 Ball engines and boilers, Akron belts, K. K. wire, 3 miles of street circuits. City is lighted by natural gas. Company owns a natural gas pipe line and furnishes heat to certain parts of the city. V G.

NEW ALBANY. Gas Light and Coke Co. Capital stock, $100,000; all paid in. W. S. Culbertson, President. J. K. Woodward, Jr., Secretary. J. W. Dunbar, Superintendent and Electrician. Annual meeting held in January. 1 American dynamo. Capacity of station, 50 arc. In use, 50 commercial arc. 1 Atlas engine and boiler, Schieren belts, 6 miles of street circuits. W H.

NORTH MANCHESTER. The Jenney Electric Co. Paid in capital, $9,000. Company not incorporated. George Burdge, Electrician. 3 Indianapolis dynamos. Capacity of station, 25 arc, 200 (20 c. p.) inc. In use, 4 commercial arc, 15 public street arc, 180 commercial inc., 2 public street inc. 1 Russell engine, 1 Bass boiler, Ireson belts, P. & B. wire, 3¼ miles of street circuits. City pays $10.75 per year for 15 arc of 2,000 candles and 2 inc. of 25 candles, burning from dusk till dawn on all dark nights. Contract expires on June 1, 1894. P F.

PERU. Peru Electric Light Co. Capital stock, $50,000; paid in, $16,000. V. Q. Irwin, President. J. W. Irwin, Secretary. J. T. Miller, Superintendent and Electrician. Annual meeting held in July. 3 Thomson-Houston dynamos. Capacity of station, 125 arc. In use, 75 commercial arc, 35 public. 1 Russell engine, 1 Russell boiler, Taylor and Smith belts, Underwriters', Trinidad and Simplex wire, 8 miles of circuits. Ju.

PLYMOUTH. M. W. Simons' Electric Light and Power Plant. Paid in capital, $15,000. M. W. Simons, Proprietor. L. J. Southworth, Superintendent. Ft. Wayne Jenney dynamos. Capacity of station, 30 arc, 650 inc. In use, 8 commercial arc, 25 public street arc, 400 commercial inc. 1 110 h. p. Buckeye engine, 1 Bass boiler, Munson belts, K. K. and Okonite wire, 5 miles of street circuits. City pays $20 per light per year for 25 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in March, 1892. W H.

RENSSELAER. Rensselaer Water, Light and Power Co. 75.

RICHMOND. Richmond Gas Co. W H 75.

ROCHESTER. Rochester Electric Light Co. Capital stock, $10,500; paid in, $7,000. D. S. Ross, President. L. Wohlgemuth, Secretary. O. D. Ross, Superintendent and Electrician. Annual meeting held in May. 2 Thomson-Houston dynamos. Capacity of station, 100 arc. In use, 38 commercial arc, 10 public street arc, 82 (series) commercial inc. 1 Russell engine and boiler, 2 miles of street circuits. City pays $75 per light per year for 10 arc of 1,200 candles, burning every night till midnight. Contract expires in 1894. M F.

ROCKPORT. Rockport Water Co. Capital stock, $25,000; all paid in. S. W. Stocking, President. A. H. Kennedy, Secretary and Superintendent. Annual meeting held in January. 1 Brush alternating dynamo. Capacity of station, 720 inc. 1 Ball compound condensing engine, 1 Armstrong boiler, Evansville belts. P F.

RUSHVILLE. Plant owned by the city. W. Jackson, Mayor. 2 Edison dynamos. Capacity of station, 500 inc. In use, 14 public inc., 1 Buckeye engine, 1 Buckeye boiler, Edison Co. wire, 8 miles of circuits.

SHELBYVILLE. Home Electric Light and Power Co. P F 75.

SOUTH BEND. South Bend Electric Co. Capital stock, $18,000; all paid in. C. M. Patch, President. James Dushane, Secretary and Electrician. F. Druliner, Superintendent. Annual meeting held in January. 1 Brush alternating, 4 Western dynamos.

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Capacity of station, 160 arc, 1,000 inc. In use, 42 commercial arc, 120 public street arc, 300 commercial inc. 1 Ideal, 1 Rice engine, 1 Noye, 2 Matthews boilers, Schieren belts, taper sleeve clutches, various wires, 28 miles of street circuits. City pays $70 and $100 per light per year for 120 arc of 2,000 candles, burning till midnight and all of every night. Contract expires January 1, 1895. P H.

SULLIVAN. Sullivan Electric Light and Power Co. Capital stock, $15,000; paid in, $10,000. S. D. Weir, President. C. P. Walker, Secretary. P. H. Blue, Superintendent. N. S. Worley, Electrician. Annual meeting held in March. 3 Jenney dynamos. Capacity of station, 60 arc, 100 inc. In use, 24 commercial arc, 30 public street arc, 100 commercial inc. Buckeye engine, P. & B. wire, 5 miles of street circuits. City pays $83 per light per year for 30 arc of 2,000 candles, burning on Philadelphia moon schedule. Contract expires in October, 1893. P G.

TERRE HAUTE. Terre Haute Electric Light and Power Co. Capital stock, $50,000; all paid in. A. J. Crawford, President. Edwin Ellis, Secretary and Superintendent. C. H. Hilton, Electrician. Annual meeting held in February. 12 Thomson-Houston dynamos. Capacity of station, 420 arc, 600 inc. In use, 160 commercial arc, 235 public street arc, 600 commercial inc. Several makes of engines, boilers, belts and wire, 90 miles of street circuits. City pays $70 per light per year for 235 arc of 2,000 candles, burning 2,500 hours per year. S G.

UNION CITY. Union City Electric Light and Power Co. Capital stock, $15,000; all paid in. J. B. Hendricks, President. F. T. Parker, Secretary. W. H. Smith, Electrician. Annual meeting held in May. 2 Thomson-Houston dynamos. Capacity of station, 85 arc. In use, 25 commercial arc, 30 public street arc. 1 Ball engine, 1 Erie City boiler, Roebling wire, 7 miles of street circuits. City pays $90.25 per light per year for 30 arc of 2,000 candles, burning all dark hours. Contract expires in 1893. P G.

VALPARAISO. Valparaiso Gas and Electric Light Co. Capital stock, $50,000; all paid in. J. W. Strause, Proprietor. 2 Western dynamos. Capacity of station, 70 arc. In use, 22 commercial arc, 32 public street arc. 1 Russell engine and boiler, 18 miles of street circuits. City pays $67.50 per light per year for 32 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in 1893. S F.

VINCENNES. Vincennes Electric Light and Power Co. Capital stock, $20,000; paid in, $12,800. J. T. McJimsey, President. H. W. Frund, Secretary, Superintendent and Electrician. Annual meeting held in February. 1 Thomson-Houston and 3 Heisler dynamos. Capacity of station, 30 arc, 640 inc. In use, 25 commercial arc, 5 public street arc, 640 commercial inc., 131 public street inc. 2 Armington & Sims engines, Brownell boilers, Shultz belts, Roebling and K. K. wire, 20 miles of street circuits. City pays $96 per light per year for 5 arc of 2,000 candles, and $24 for 131 inc. of 30 candles; arcs burning till midnight, inc. all night, on moon schedule. Contract expires in October, 1891. P F.

WABASH. Wabash Electric Light Co. Capital stock, $10,000; all paid in. James Lynn, Jr., President. George Webster, Jr., Secretary and Superintendent. Harry Callegan, Electrician. Annual meeting held in January. 1 Heisler inc. and 2 Thomson-Houston arc dynamos. Capacity of station, 50 arc, 350 inc. In use, 31 commercial arc, 12 public street arc, 150 commercial inc., 121 public street inc. Olds and Atlas engines and boilers, Munson and Schieren belts, P. & B. and Candee wire, 16 miles of street circuits. City pays $75 per light per year for 12 arc of 2,000 candles and $18 for 121 inc. of 30 candles, burning till midnight on all dark nights. Contract expires in June, 1893. P F.

WARSAW. Warsaw Water Works Co. Capital stock, $60,000; all paid in. James L. Frazer, President. W. H. Eggleston, Secretary and Superintendent. James S. Walton, Electrician. Annual meeting held in August. 2 Thomson-Houston dynamos. Capacity of station, 55 arc. In use, 24 commercial arc, 24 public streets arc. 1 Russell

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engine, 2 boilers, Underwriters' wire, 6 miles of street circuits. City pays $70 per light per year for 24 arc of 1,400 candles, burning all night on moon schedule. Contract expires in 1892. Ju.

WASHINGTON. Washington Gas and Electric Light Co. 75.

WEST INDIANAPOLIS. Jenney Electric Co. 75.

WINCHESTER. Winchester Electric Light Co. Capital stock, $9,000; all paid in. A. J. Cranor, President and General Manager. J. R. Engle, Secretary. J. Singleton, Electrician. 1 Thomson-Houston dynamo. Capacity of station, 50 arc, 650 inc. In use, 18 commercial arc, 26 public street arc, 450 commercial inc. 1 Russell engine and boiler, Munson belts, K. K. wire. City pays $80 per light per year for 26 arc of 2,000 candles, burning on moon schedule. P F.

INDIAN TERRITORY.

GUTHRIE. Guthrie Electric Light and Power Co. Capital stock, $100,000. J. F. Saunders, Secretary and Manager. J. C. Hubner, Electrician. Waterhouse and Westinghouse dynamos. Capacity of station, 60 arc, 750 inc. In use, 46 public street arc, 465 commercial inc. Buckeye engine, Erie boiler, 7 miles of street circuits. City pays $120 per light per year for 46 arc of 2,000 candles, burning till 1 A. M. every night. Ju.

IOWA.

ATLANTIC. Atlantic Electric Light Co. 75.

BLOOMFIELD. Bloomfield Electric Light and Power Co. Capital stock, $10,000; all paid in. W. R. Lewis, President. W. J. Law, Jr., Secretary. Frank Fortune, Electrician. Annual meeting held in December. 1 Hawkeye dynamo. Capacity of station, 600 inc. In use, 664 commercial inc., 23 public street inc. 1 Buckeye engine, 2 boilers, Akron belts, Underwriters' and Shield brand wire, 2 miles of street circuits. City pays $15 and $22 per light per year for 23 inc. of 16 and 32 candles, burning on moon schedule from dusk till midnight and from 5 A. M. till 7 A. M. Contract expires in September, 1893. P F.

BOONE. Boone Electric Light Co. Capital stock, $10,000; all paid in. Louis Goeppinger, President and Superintendent. Frank Champlin, Secretary. Clark Goeppinger, Electrician. Annual meeting held in January. 2 Edison dynamos. Capacity of station, 800 inc. In use, 1,000 commercial inc. 1 Allis engine, 2 McDonald boilers, Munson belts, 2 miles of street circuits. P F.

BURLINGTON. Electric Light and Power Co. Capital stock, $30,000; paid in, $20,600. G. H. Walden, President. J. W. Burdette, Secretary. N. F. Harner, Superintendent. Annual meeting held in October. 1 United States, 2 Van Depoele dynamos. Capacity of station, 80 arc, 500 inc. In use, 20 commercial arc, 58 public street arc, 350 commercial inc. 1 Ball, 1 Dick & Church, 1 Buckeye engine, 1 Buckeye and 2 Fawcett boilers, Schieren belts, 1 Hill clutch, Moore wire, 15 miles of street circuits. City pays $85 per light per year for 58 arc of 2,000 candles, burning on Philadelphia moon schedule. Contract expires in March, 1893. Ju.

Burlington Gas Light Co. R. Spencer, President. E. D. Cleary, Secretary. Wm. J. Kerr, Electrician. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 25 commercial arc. 1 Dick & Church engine, 1 Phœnix boiler, Underwood belts, P. & B. wire, 4 miles of street circuits. W H.

CARROLL. Carroll Electric Light and Power Co. Capital stock, $25,000; paid in, $15,000. V. Heinrich, President and Superintendent. F. W. Krause, Secretary. Annual meeting held in June. 2 Edison dynamos. Capacity of station, 20 arc, 500 inc. In use, 4 commercial arc, 8 public street arc, 475 commercial inc. 1 New York Safety engine, Porter boilers, Munson belts, 2 miles of street circuits. City pays $87.50 per light per year for 8 arc of 2,000 candles, burning every night till midnight. Contract expires in 1892. Ju.

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CEDAR FALLS. Cedar Falls Electric Light and Power Co. Capital stock, $15,000. B. S. Wildre and G. H. Frise, Proprietors. H. Hire, Electrician. 2 Brush dynamos. Capacity of station, 30 arc, 300 inc. In use, 12 commercial arc, 6 public street arc, 250 commercial inc. 1 Atlas engine and boiler, Munson belts, Underwriters' wire, 2 miles of street circuits. City pays $120 per light per year for 6 arc of 2,000 candles, burning till 3.30 A. M. every night. Contract expires in 1897. 80.

CEDAR RAPIDS. Cedar Rapids Electric Light and Power Co. Capital stock, $75,000; paid in, $65,000. C. J. Ives, President. Chas. H. Brampton, Secretary. W. J. Greene, Superintendent and Electrician. Annual meeting held in January. 2 Waterhouse arc, 3 Westinghouse inc. dynamos. Capacity of station, 70 arc, 2,250 inc. In use, 35 commercial arc, 21 public street arc, 2,200 commercial inc. 1 Westinghouse, 1 Buckeye, 1 New York Safety engine, Heine, Babcock & Wilcox and Erie boilers, Munson and Schieren belts, Hill clutches, Okonite wire. City pays $115 per light per year for 21 arc of 2,000 candles, burning on Philadelphia moon schedule and cloudy nights. Contract expires in March, 1891. S G.

CHARITON. Chariton Electric Light Co. Capital stock, $18,000; all paid in. City Council acts as President. C. H. Younkin, Secretary and Superintendent. 2 Hawkeye dynamos. Capacity of station, 1,000 inc. In use, 700 commercial inc., 100 public street inc. 1 Myer engine and boiler, Preston belts, 25 miles of street circuits. City pays $18 per light per year for 100 inc. of 32 candles, burning all night on moon schedule. Contract expires in 1891. Ju.

CLINTON. Thomson-Houston Electric Co. Gilbert F. Brown, Manager. 1 inc., 8 Thomson-Houston arc dynamos. Capacity of station, 110 arc, 400 inc. In use 47 commercial arc, 45 public street arc, 400 commercial inc. Ball and Armington & Sims engines, 8 boilers, Munson belts. City pays $120 per light per year for 45 arc of 2,000 candles, burning on moon schedule. Contract expires in 1896. Ju.

CORNING. Corning Electric Co. Capital stock, $1,000; paid in, $500. H. M. Towner, President. H. T. Granger, Secretary and Superintendent. Annual meeting held in January. 1 Westinghouse dynamo. Capacity of station, 500 inc. In use, 250 commercial inc., 40 public street inc. 1 Westinghouse engine. City pays $15.60 per year for 40 inc. of 25 candles, burning on moon schedule. Contract expires in October, 1894. 121.

COUNCIL BLUFFS. The Electric Light and Power Co. Capital stock, $100,000. Thomas Officer, President. Charles T. Officer, Secretary. Walter V. Cook, Electrician. Annual meeting held in January. 5 Thomson-Houston dynamos. Capacity of station, 135 arc, 2,250 inc. In use, 67 commercial arc. 4 Westinghouse high speed engines, tubular boilers, Munson belts, Okonite, Candee and Underwriters' wire, 15 or 16 miles of circuits. Ju.

Council Bluffs Gas and Electric Light Co. G 75.

CRESTON. Creston Gas and Electric Light Co. M G 75.

DAVENPORT. Davenport Gas Light Co. Capital stock, $250,000. J. J. Richardson, President. R. Woodmansee, Secretary and Treasurer. Ft. Wayne Jenney, Edison and Thomson-Houston systems. Z H.

DECORAH. Decorah Electric Light and Power Co. Capital stock, $5,100; all paid in. Ben. Bear, President. Frank S. Landers, Secretary and Superintendent. Annual meeting held in January. 1 Van Depoele dynamo. Capacity of station, 40 arc. In use, 30 commercial arc, 6 public street arc. Ball engine, Erie boiler. Company is paid by private subscription $91.25 per light per year for 6 arc of 2,000 candles, burning till 10 P. M. every night. Contract annually. Ju.

DES MOINES. Capital City Electric Light Co. Capital stock, $100,000. S. T. Bodine, President. M. T. Wright, Secretary. Edwin G. Pratt, Superintendent. E. M. Cobb, Electrician. Annual meeting held in March. 1 Westinghouse and 8 Thomson-Hous-

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ton dynamos. Capacity of station, 230 arc, 2,000 inc. In use, 190 commercial arc, 37 public street arc, 1,800 commercial inc. 1 Westinghouse and 4 Armington & Sims engines, 1 Toomer and 4 McDonald boilers, Underwood belts, 6 Hill clutches, Roebling and Shield brand wire, 40 miles of street circuits. City pays $141 per light per year for 37 arc of 2,000 candles, burning on moon schedule. Contract expires in January, 1893. This company controls the Thomson-Houston Electric Light and Power Co., and both are included in above. W G.

Des Moines Edison Light Co. Capital stock, $200,000; paid in, $140,000. F. S. Hastings, President. J. A. Colby, Secretary and Manager. Annual meeting held in March. 6 Edison dynamos. Capacity of station, 7,500 inc. In use, 6,500 commercial inc. Williams, Armington & Sims and Buckeye engines, 8 Heine boilers, Kellogg, Munson and Schieren belts, Ansonia wire, 7¼ miles of street circuits. Ju.

DUBUQUE. United States Electric Light and Power Co. Capital stock, $50,000. B. E. Lineham, President. N. J. Browne, Secretary. Are installing a 3,600 light Edison plant, and will increase to 7,200 soon after building. Will also put in 125 arc, which have not yet been contracted for. City will pay $60 per light per year for 70 arc of 2,000 candles, burning on all dark nights. Contract made in 1890 for three years. S F.

FAIRFIELD. City of Fairfield. J. S. Richardson, President. T. F. Higby, Secretary and Superintendent. N. S. Bright, Electrician. Annual meeting held in March. 1 Brush dynamo. Capacity of station, 16 arc. In use, 6 public street arc. 1 A. Demarce engine, 1 Russell boiler, Main belts, 1 mile of street circuit.

Fairfield Gas and Electric Co. Capital stock, $50,000; all paid in. C. D. Jones, President. Silas B. Hovey, Secretary. J. J. Roe, Superintendent. J. S. Lent, Electrician. Annual meeting held in March. 2 Brush dynamos. Capacity of station, 40 arc. 1 Armington & Sims engine, 60 h. p., 1 Pond boiler, 70 h. p., Jewell belt, Simplex wire, 2 miles of street circuits. Plant just started. S G.

FORT DODGE. Fort Dodge Electric Light and Power Co. Capital stock, $25,000; paid in, $15,000. L. Blanden, President. G. M. Shearer, Superintendent and Electrician. 3 Thomson-Houston dynamos. Capacity of station, 30 arc, 300 inc. In use, 15 commercial arc, 15 public street arc, 300 commercial inc., 2 public street inc. Cooper engines and boilers, Munson belts, Underwriters' wire, 5¼ miles of street circuits. City pays $73.32 per light per year for 15 arc of 1,200 candles, and 2 inc. of 16 candles, burning till midnight on moon schedule. Contract expires annually in August. P P F.

FORT MADISON. S. & J. C. Atlee. Capital stock, $40,000; all paid in. J. C. Atlee, President. S. Atlee, Secretary and Superintendent. H. J. Henderson, Electrician. 4 Brush dynamos. Capacity of station, 120 arc, 1,000 inc. In use, 42 commercial arc, 53 public street arc, 600 commercial inc. Estes and Ideal engines, 3 Fawcett boilers, Eclipse clutches, Candee and Underwriters' wire, 9 miles of street circuits. City pays $75 per light per year for 53 arc of 1,200 candles, burning on moon schedule. Contract expires in 1892. Z Z H.

GRINNELL. Grinnell Electric Light Co. Capital stock, $25,000; all paid in. M. Snyder, President. Willard Kimball, Secretary. B. J. Carney, Superintendent. Chas. Jones, Electrician. Annual meeting held in November. 1 Jenney, 1 Thomson-Houston dynamo. Capacity of station, 28 arc, 600 inc. In use, 7 commercial arc, 20 public street arc, 600 commercial inc. 1 Ideal engine, 2 boilers, gutta percha belts, Hill clutches, 15 miles of street circuits. City pays $96 per light per year for 20 arc of 2,000 candles, burning every night till 2 A. M. Contract expires in January, 1891. P P G.

INDEPENDENCE. Independence Electric Light Co. Capital stock, $30,000; all paid in. J. P. Smith, President and Superintendent. Chas. E. Ramson, Secretary. Annual meeting held in April. 1 Westinghouse dynamo. Capacity of station, 500 inc. In use, 500 commercial inc. Westinghouse Junior engine, Pond boiler, Shultz belts, weatherproof wire, 5 miles of street circuits. Ju.

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IOWA CITY. Iowa City Electric Light and Power Co. Capital stock, $12,000; all paid in. D. F. Sawyer, President. Theo. C. Carson, Secretary. Patrick McGahen, Superintendent and Electrician. Annual meeting held in September. 8 Sperry dynamos. Capacity of station, 50 arc. In use, 48 commercial arc. Water power. Shield brand wire, 1¼ miles of street circuits. P F.

Climax Electric Light Co. Not yet in operation. H 85.

KEOKUK. Badger Electric Co. Capital stock, $35,000; all paid in. S. S. Badger, President. Chas. J. Smith, Secretary and Superintendent. 2 American dynamos. Capacity of station, 85 arc. In use, 40 commercial arc, 27 public street arc, 25 commercial inc. 1 Westinghouse engine, Munson and Schieren belts, American wire, 14 miles of street circuits. City pays $125 per light per year for 27 arc of 2,000 candles, burning on moon schedule. Ju.

Keokuk Electric Light and Power Co. Capital stock, $———; paid in, $50,000. J. C. Hubinger, President. Wm. Galtz, Electrician. Annual meeting held in October. Westinghouse and Thomson-Houston dynamos. Capacity of station, 3,000 inc. In use, 1,500 inc. Water power, Munson belts, 15 miles of street circuits. V G.

KNOXVILLE. Knoxville Electric Light and Power Co. Capital stock, $80,000; paid in, $60,000. F. E. Woodruff, President. G. K. Hart, Secretary. C. C. Cunningham, Superintendent and Electrician. Annual meeting held 2d Friday in February. 2 Brush dynamos. Capacity of station, 10 arc, 600 inc. In use, 525 inc. 1 Corliss, low speed, engine, 1 tubular boiler, Munson belts, Underwriters' wire, 3 miles of circuits, 1 Hill clutch. Ju.

LEON. City Electric Light Plant. W. H. Albaugh, Mayor. Meetings held monthly. 2 Edison dynamos. Capacity of station, 800 inc. In use, 48 (32 c. p.) public street inc. 1 65 h. p. Ide engine, 1 80 h. p. Atlas boiler, Munson belts, 2½ miles of street circuits. 122.

LYONS. Plant owned by city. J. C. Hopkins, Mayor. J. T. Foster, City Clerk. Bidwell Gage, Chairman of Committee. Fort Wayne Jenney arc system. In use, 62 arc. Plant purchased three years ago.

MANCHESTER. H. B. & E. W. Hoag. 75.

MAQUOKETA. Barnes Bros. R H 75.

MARENGO. Marengo Electric Light and Power Co. Capital stock, $10,000; all paid in. J. H. Reamb, President. M. L. Holbrook, Secretary. J. H. Branch, Superintendent. Annual meeting held in November. 1 Westinghouse dynamo. Capacity of station, 500 inc. In use, 436 commercial inc., 120 public street inc. 1 Buckeye engine and boiler, Schieren belts, Standard Underground Cable Co. wire, 6 miles of street circuits. City pays $16.66 per light per year for 120 inc. of 32 candles, burning till midnight on moon schedule. Contract expires January 1, 1895. P G.

MARSHALLTOWN. City of Marshalltown. J. M. Gilchrist, Chairman of Committee. 2 Thomson-Houston dynamos. Capacity of station, 64 arc. In use, 65 public street arc. 1 Reynolds-Corliss engine, 4 Baker boilers, Munson belts, 5 miles of street circuits.

Marshalltown Electric Co. Capital stock, $30,000; all paid in. I. M. Parker, President. I. L. Seevers, Secretary, Superintendent and Electrician. Annual meeting held in January. 3 Thomson-Houston dynamos. Capacity of station, 30 arc, 1,000 inc. In use, 4 commercial and 800 inc. 2 Westinghouse and Ideal high speed engines, 3 Lennox boilers, Munson belts, Brown & Sharpe wire, about 5 miles of circuits. P P G.

MASON CITY. Mason City Gas and Electric Light Co. Capital stock, $15,000. M. J. Clark, President. O. T. Denison, Secretary. W. P. Fitch, Superintendent. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 35 arc, 800 inc. In use, 2 commercial arc, 23 public street arc, 330 commercial inc. 1 60 h. p. Ball engine, 1 Phoenix boiler, Chicago Rawhide Co. belts, Roebling wire, 3 miles of

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street circuits. City pays $60 per light per year for 23 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in November, 1892. P P F.

MISSOURI VALLEY. Missouri Valley Electric Light Co Capital stock, $20,000; paid in, $12,000. Dr. G. W. Coit, President. D. J. Adlum, Secretary. F. M. Miles, Superintendent. P. B. Perkins, Electrician. Annual meeting held in November. 1 Jenney dynamo. Capacity of station, 600 inc. In use, 420 commercial inc., 84 public street inc. 1 80 h. p. Corliss engine, 1 Sioux City boiler, leather belts, 1 Eclipse clutch. City pays $21 per light per year for 84 inc. of 24 candles, burning till midnight on moon schedule. Contract expires annually in July. P F.

MONTEZUMA. Montezuma Electric Light and Power Co. Capital stock, $6,000; paid in, $4,700. John Hale, President. Chas. R. Clark, Secretary. W. R. Lewis, Electrician. Annual meeting held in January. Hawkeye dynamos. Capacity of station, 500 inc. In use, 400 commercial inc., 36 public street inc. Buckeye engine. City pays $12 and $18 per light per year for 36 inc. of 16 and 32 candles, burning till midnight on moon schedule. Ju.

MUSCATINE. Muscatine Gas, Electric Light and Power Co. Capital stock, $100,000. Geo. B. Denison, President. A. B. Brown, Secretary. James Hannan, Superintendent and Electrician. Annual meeting held in September. 2 Thomson-Houston dynamos. Capacity of station, 25 arc, 650 inc. In use, 9 commercial arc, 17 public street arc, 400 commercial inc. 1 Armington & Sims, 1 Ideal engine, 2 John Baker boilers, Munson belts, Simplex and Underwriters' wire. City pays $126 per light per year for 17 arc of 2,000 candles, burning on moon schedule. Contract expires in September, 1897. Ju.

NEWTON. Thomson-Houston Electric Co. A. B. Chapman, Electrician. 8 Thomson-Houston dynamos. Capacity of station, 150 arc, 600 inc. In use, 5 commercial arc, 12 public street arc, 620 commercial inc. 1 Armington & Sims engine, 2 Atlas boilers, Munson belts, Underwriters' wire, 5 miles of street circuits. City pays $150 per light per year for 12 arc of 2,000 candles, burning till 2 A. M. every night. Ju.

OSKALOOSA. Oskaloosa Edison Light Co. Capital stock, $100,000; all paid in. W. A. McNeise, President. F. S. Gerton, Secretary. J. W. Leedow, Superintendent and Electrician. Annual meeting held in January. 4 Edison dynamos. Capacity of station, 3,500 inc. In use, 2,400 commercial inc., 300 public street inc. 2 250 h. p. Dubuque engines, 6 boilers, Munson belts, Underwriters' wire, 10 miles of street circuits. City pays $18 per light per year for 239 inc. of 16 candles, burning till 1 A. M. on moon schedule. R H.

Oskaloosa Gas and Electric Light Co. Capital stock, $75,000. John H. Graham, President. Wm. McDonald, Secretary. S. E. Kellogg, Superintendent. 1 Jenney dynamo. Capacity of station, 40 arc, 18 commercial arc in use. 1 Armington & Sims high speed engine, 1 Pond's Engineering Co.'s boiler, Underwriters' and Okonite belts, Roebling's wire. Ju.

OTTUMWA. Ottumwa Railway, Electric and Steam Co. Capital stock, $200,000; paid in, $180,000. Wm. R. Dawn, President. Geo. P. Dawn, Secretary. N. P. Draper, Electrician. 4 Thomson-Houston arc, 1 Sperry arc, 1 Thomson-Houston alternating, 2 Edison dynamos. Capacity of station, 145 arc, 2,000 inc. In use, 60 commercial arc, 70 public street arc, 1,600 commercial inc. 1 Harris, 3 Reynolds Corliss engines, 6 Ottumwa Boiler Works boilers, Hoyt belts, Roebling and Shield brand wire, 40 miles of street circuits. City pays, $44 per light per year for 70 arc of 2,000 candles, burning all of every night. Contract expires in March, 1895. The Ottumwa Electric Light Co. is owned by this company, and included in above. Engine and boiler power include what is used for electric street railway and public steam heating. R H.

PELLA. Pella Electric Light and Power Power Co. Capital stock paid in, $7,500. A. A. Buwalda and G. A. Buwalda, Proprietors. 1 Thomson-Houston alternating

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dynamo. Capacity of station, 800 inc. In use, 340 commercial inc., 36 public street inc. 1 Atlas engine, 1 McDaniel boiler, Underwriters' wire, 3 miles of street circuits. City pays $10.80 per light per year for 36 inc. of 32 candles, burning till midnight on moon schedule. Contract expires in September, 1899. Ju.

SIOUX CITY. Sioux City Electric Co. Capital stock, $50,000; all paid in. S. T. Bodine, President. E. C. Lee, Secretary. L. L. Kellogg, Superintendent. Thos. Leary, Electrician. Annual meeting held in March. 1 Westinghouse and 2 Thomson-Houston dynamos. Capacity of station, 75 arc, 700 inc., 50 commercial arc and 650 inc. in use. Allis-Corliss low speed engines, 3 Allis boilers, Okonite wire, 2 miles of circuits, 3 Hill clutches. V V H.

Sioux City Gas Light Co. W G 75.

STORM LAKE. Storm Lake Electric Light Co. Capital stock, $10,000; all paid in. Edgar E. Mack, President. Zeph. Chas. Fel, Secretary. J. G. Skeels, Superintendent and Electrician. Annual meeting held in April. 2 Hawkeye dynamos. Capacity of station, 600 inc. In use, 400 commercial inc., 50 public street inc. 1 Sioux City Corliss engine, 1 boiler, Munson belts, 6 miles of street circuits. City pays $12 per light per year for 50 inc. of 16 candles, burning till midnight on moon schedule. Contract expires in April, 1899. L F.

TIPTON. City of Tipton. 75.

TOLEDO. Toledo and Tama Motor and Lighting Co. Not yet operation.

WATERLOO. Waterloo Gas and Electric Light Co. Capital stock, $5,000. O. C. Miller, President. C. D. Jones, Secretary. L. D. Anthony, Superintendent. E. L. Bennett, Electrician. Annual meeting held in January. 1 Thomson-Houston inc., 2 Brush arc dynamos. Capacity of station, 90 arc, 650 inc. In use, 75 commercial arc, 350 commercial inc. 2 Ball engines, Underwriters' wire, 9 miles of street circuits. L F.

KANSAS.

ABILENE. Abilene Water and Electric Light Co. Capital stock, $200,000; paid in, $50,000. Peter Bell, President. J. D. Duncan, Secretary and Superintendent. A. J. Mosher, Electrician. Annual meeting held in December. 4 Edison dynamos. Capacity of station, 1,200 inc. In use, 12 commercial arc, 800 commercial inc. Armington & Sims and Buckeye engines, 4 Palmer boilers, Underwriters' wire, 3 miles of street circuits. Ju.

ARGENTINE. Argentine Water and Electric Works Co. Capital stock, $150,000. M.V. Ingram, President. John D. Cruise, Secretary. Fred J. Payne, Superintendent. C. M. Griffin, Electrician. Annual meeting held in July. 1 Western dynamo. Capacity of station, 30 arc. In use, 4 commercial arc, 30 public street arc. 1 Armington & Sims, 2 National engines, boilers, Shultz belts, Candee wire, 8 miles of street circuits. City pays $144 per light per year for 30 arc of 2,000 candles, burning on moon schedule. Contract expires in 1908. Ju.

ARKANSAS CITY. Arkansas City Gas and Electric Light Co. Capital stock, $100,000; all paid in. Wm. M. Sluth, President. Howard Ross, Secretary. T. P. Cameron, Superintendent. Sherburne Morse, Electrician. Annual meeting held in January. 1 Westinghouse inc. and 3 Thomson-Houston arc dynamos. Capacity of station, 105 arc, 750 inc. In use, 40 commercial arc, 50 public street arc, 600 commercial inc. Water power, Hill clutches, Standard Underground and P. & B. wires, 25 miles of street circuits. City pays $84 per light per year for 52 arc of 2,000 candles, burning every night till midnight. Contract expires in 1892. V G.

ATCHISON. Atchinson Gas, Electric Light and Power Co. Capital stock, $250,000. A. G. Otis, President. John M. Chrisham, Secretary and Superintendent. J. M. Wells, Electrician. Annual meeting held in April. 5 Thomson-Houston dynamos.

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Capacity of station, 180 arc, 650 inc. In use, 65 commercial arc, 64 public street arc, 450 commercial inc. 3 Ball engines, 3 boilers, Schieren belts, Ansonia and Roebling wire, 15 miles of street circuits. City pays $72 per light per year for 64 arc of 1,200 candles, burning till midnight. Contract expires in August, 1894. Y Y G.

BAXTER SPRINGS. Baxter Springs Light and Power Co. 75.

BURLINGTON. A. P. Waterbury. Capital stock, $4,000. Thomson-Houston dynamos. Capacity of station, 15 arc, 54 inc. In use, 12 commercial arc, 3 public street arc, 52 commercial inc. 1 Atlas engine, Underwriters' wire, 2 miles of street circuits. City pays $96 per light per year for 3 arc of 1,200 candles, burning every night till midnight. Contract expires annually in October. Ju.

BURRTON. Burrton Oil, Gas and Mining Co. Capital stock, $10,000; paid in, $5,000. H. Emerson, President. W. O. Van Ansdale, Secretary and Superintendent. Annual meeting held in January. 1 Jenney dynamo. Capacity of station 250 inc. In use, 200 commercial inc., 25 public street inc. Atlas engines and boilers. Company is paid $400 per year, by private subscription, for 16 inc. of 16 candles, burning on moon schedule till 10.30 P. M. Contract expires annually in April. Ju.

CHANUTE. Chanute Electric Light Co. Capital stock, $6,000; paid in $4,000. F. S. Lange, President. M. C. Webster, Secretary. S. J. Kester, Superintendent and Electrician. 1 Sperry dynamo. Capacity of station, 20 arc. In use, 13 commercial arc, 7 public street arc. Palmer & Sons boiler, Underwriters' wire, 2½ miles of street circuits. City pays 86 cents per light per night for 7 arc of 2,000 candles, burning every night till midnight. Contract expires when satisfaction is not given. Ju.

CHERRYVALE. Kansas Electric Light Co. Capital stock, $20,000. Chatham T. Ewing, President. C. H. Zabriskie, Secretary. E. K. Davis, Superintendent. W. E. Hobbs, Electrician. Annual meeting held January 1st. 1 Sperry dynamo. Capacity of station, 20 arc. In use, 10 commercial arc. 1 high speed engine, 2 boilers, Underwriters' wire, 5 miles of circuits. R G.

CHETOPA. Chetopa Electric Light Co. P P G 75.

CLAY CENTER. Clay Center Electric Light Co. Capital stock, $20,000; all paid in. A. T. Dexter, Proprietor. E. J. Kilby, Electrician. 4 Western dynamos. Capacity of station, 100 arc. In use, 60 commercial arc, 300 (series) commercial inc., 8 public street arc. Shultz belts, 2 miles of street circuits. City pays $96 per light per year for 8 arc of 2,000 candles, burning every night till midnight. Ju.

COFFEYVILLE. Coffeyville Electric Light and Power Co. Capital stock, $7,000; paid in, $6,000. William McCoy, President. Thomas G. Ayers, Secretary. J. H. Kuder, Superintendent, Electrician and General Manager. 1 National and 2 Sperry dynamos. Capacity of station, 21 arc, 500 inc. In use, 8 public street arc, 350 commercial inc. 1 Buckeye engine and boiler, Candee and Underwriters' wire, 1½ miles of street circuits. City pays $84 per light per year for 8 arc of 2,000 candles, burning till 11.30 P. M. every night. Contract expires in March, 1891. Ju.

CONCORDIA. Concordia Electric Light Co. Capital stock, $26,000; all paid in. E. E. Chapman, President. E. R. Ellicott, Secretary and Superintendent. Annual meeting held in July. 3 Western dynamos. Capacity of station, 90 arc. In use, 50 commercial arc, 16 public street arc. 1 Hooven, Owen & Co. engine, 2 boilers, Munson belts, 4 miles street circuits. S G.

COUNCIL GROVE. City of Council Grove. Plant purchased in 1888 for $8,000. W. F. Shamleffer, Mayor. Thomson-Houston system. 50 arc of 1,200 candle power, 65 inc. of 32 candle power. Run by steam in connection with water works.

DODGE CITY. Dodge City Electric Light and Steam Heating Co. Capital stock, $50,000; paid in, $22,500. Fred Gardner, President. W. J. Fitzgerald, Secretary and Superintendent. H. Ashcroft, Electrician. Annual meeting held in February. 3 Thomson-Houston dynamos. Capacity of station, 30 arc, 800 inc. In use, 5 commercial

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arc, 320 inc. 2 Ball engines, high speed, 2 Ball boilers, Munson's belts, various wires, 6 miles of street circuits, 2 clutches. Ju.

EL DORADO. Consolidated Light, Heat and Power Co. Capital stock, $60,000; all paid in. F. O. Maffitt, President. James M. Bent, Secretary. O. R. Cline, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity of station, 35 arc. In use, 12 commercial arc, 21 public street arc. Hoyt belts, Underwriters' wire, 5 miles of street circuits. City pays $100 per light per year for 21 arc of 2,000 candles, burning every night till midnight. Q 123.

EMPORIA. Emporia Electric and Gas Light Co. R. D. Thomas, President. J. S. Watson, Secretary and Superintendent. M. Dunsworth, Electrician. Annual meeting held in August. 2 Thomson-Houston dynamos. Capacity of station, 80 arc. In use, 20 commercial arc. 1 Buckeye engine, 2 boilers, 10 miles of circuits. S G.

FORT SCOTT. Fort Scott Electric Light and Power Co. Capital stock, $100,000. Magnus Swenson, President. C. F. Martin, Secretary. N. C. Thompson, Superintendent and Electrician. Annual meeting held in January. 4 Thomson-Houston and 3 Sperry dynamos. Capacity of station, 130 arc, 1,000 inc. In use, 50 commercial arc, 64 public street arc, 1,000 commercial inc. 3 Armington & Sims engines, 3 Wangler boilers, Munson belts, 18 miles of street circuits. City pays $80 per light per year for 64 arc of 2,000 candles, burning on moon schedule till 1 A. M. Contract expires in January, 1893. V G.

FREDONIA. Fredonia Water Co. Capital stock, $8,500; all paid in. T. P. West, President. P. P. Belt, Secretary, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity of station, 35 arc and 26 inc. In use, 21 commercial arc, 20 inc., and 5 public arc. 1 Atlas engine, 1 Atlas boiler, Coithan belts, Underwriters' wire, 5 miles of circuits. Ju.

GALENA. Electric Light Co. Not yet in operation.

GIRARD. Girard Electric Light Co. Capital stock, $5,000; all paid in. Private company. Fryer & Stratton. 1 Sperry dynamo. Capacity of station, 20 arc. In use, 15 commercial arc. 1 Ide engine, high speed, Munson belts, Underwriters' wire, 1 mile of circuit. Ju.

HAYS CITY. Hays City Electric Illuminating and Power Co. Capital stock, $25,000; paid in, $9,500. W. A. Myers, President. Harry C. Freese, Secretary and Superintendent. John Cavender, Electrician. Annual meeting held in May. 1 Thomson-Houston dynamo. Capacity of station, 500 inc. In use, 400 commercial inc., 100 public street inc. Ideal engine, Munson belts, 5½ miles of street circuits. City pays $15 per light per year for 40 inc. of 32 candles, burning every night till 11 o'clock. Contract expires in November, 1894. Ju.

HERINGTON. City of Herington. Capital stock, $25,000. C. B. Hart, Superintendent. J. W. Hawkins, Electrician. Annual meeting held in April. 3 Thomson-Houston dynamos. Capacity of station, 20 arc, 500 inc. In use, 8 commercial arc, 12 public street arc, 498 commercial inc., 2 public street inc. Ideal engine, Munson belts, Shield brand wire, 80 miles of street circuits.

HIAWATHA. Hiawatha Electric Co. Capital stock, $20,000; paid in, $5,000. Geo. H. Adams, President. H. J. Aten, Secretary. H. P. Harrison, Electrician. Annual meeting held in April. 1 American dynamo. Capacity of station, 40 arc. In use, 19 commercial arc, 8 public street arc. City pays $96 per light per year for 10 arc of 2,000 candles, burning every night till midnight. Contract expires in June, 1893. N F.

HOLTON. Holton Electric Light and Power Co. Capital stock, $20,000. Dr. M. B. Smyth, President. Lewis A. Walter, Secretary and Superintendent. Annual meeting held in January. 1 Mayo dynamo. Capacity of station, 900 inc. In use, 450 commercial inc., 24 public street inc. 1 Ide engine, 1 Atlas boiler, Munson belts, Underwriters' and weatherproof wire, 2 miles of street circuits. City pays $325 per year for

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24 inc. of 16 candles, burning till midnight on moon schedule. Contract made in January, 1889, with no limit. P F.

HORTON. Citizens' Light, Heat and Power Co. Capital stock, $10,000; all paid in. T. W. Stanley, President. L. H. Symth, Secretary. I. M. Reeve, Superintendent and Electrician. Annual meeting held in March. 2 Hawkeye dynamos. Capacity of station, 30 arc, 300 inc. In use, 7 commercial arc, 15 public street arc, 275 commercial inc. 1 Payne engine, Munson belts, P. & B. and Underwriters' wires, 3 miles of street circuits. City pays $120 per light per year for 14 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in 18 years. N F.

HUTCHINSON. Hutchinson Water, Light and Power Co. Capital stock, $200,000. M. C. Orton, President. L. A. Beebe, Secretary and Superintendent. Annual meeting held in April. 1 Thomson-Houston, 7 Edison dynamos. Capacity of station, 50 arc, 8,750 inc. In use, 15 commercial arc, 20 public street arc, 2,000 commercial inc. 4 Armington & Sims engines, 6 Hutchinson Boiler Works boilers, Ireson belts. City pays $108 per light per year for 20 arc of 2,000 candles, burning all of every dark night. No definite contract. W G.

INDEPENDENCE. Independence Electric Light and Power Co. Capital stock, $25,000. E. L. Foster, Proprietor. J. J. Rehen, Electrician. Thomson-Houston and Sperry dynamos. Capacity of station, 52 arc, 750 inc. In use, 38 commercial arc, 17 public street arc, 750 commercial inc. 1 Buckeye engine and boiler, Munson belts, Ansonia wire, 9 miles of street circuits. City pays $100 per light per year for 17 arcs of 2,000 candles, burning every night till midnight. Contract expires in June, 1891. S G.

JUNCTION CITY. C. Fogarty, Proprietor. Capital stock, $30,000. Thos. C. Hogan, Superintendent. Wm. T. Bryant, Electrician. 4 Western and Westinghouse dynamos. Capacity of station, 50 arc, 650 inc. In use, 36 commercial arc, 9 public street arc, 300 commercial inc. Leffel water wheels, Munson belts, 2 Eclipse clutches, Underwriters' wire, 5 miles of street circuits. V G.

KANSAS CITY. Consolidated Electric Light and Power Co. Capital stock, $100,000; all paid in. J. D. Willson, President. Benj. Schnerly, Secretary. W. G. McConnor, Superintendent and Electrician. Annual meeting held in October. 9 Excelsior arc, 2 Westinghouse alternating dynamos. Capacity of station, 270 arc, 2,500 inc. In use, 111 commercial arc, 113 public street arc, 1,200 commercial inc. 1 800 h. p. Hamilton Corliss, 1 100 h. p. Armington & Sims engine, 3 Babcock & Wilcox boilers, Munson belts, 6 Hill clutches, P. & B. wire, 76 miles of street circuits. City pays $118.80 per light per year for 113 arcs of 2,000 candles, burning all of every night. Contract expires February 21, 1910. Ju.

KINGMAN. Kingman Water and Light Co. R. A. Munson, Superintendent. Heisler and Thomson-Houston dynamos. Capacity of station, 25 arc, 160 inc. In use, 10 commercial arc, 10 public street arc, 165 commercial inc. 1 Russell engine, 2 O'Brien boilers, 2 miles of street circuits. City pays $50 per light per year for 10 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in July, 1894. 124.

LARNED. Larned Electric Light Co. Capital stock, $35,000; paid in, $27,000. W. R. Brown, President. Fred S. Hatch, Secretary and Superintendent. Annual meeting held in May. 3 Thomson-Houston dynamos. Capacity of station, 48 arc, 400 inc. In use, 19 commercial arc, 27 public street arc, 350 commercial inc. Ball engine, Peckham boiler, 5 miles of street circuits. City pays $76.74 per light per year for 27 arc of 1,200 candles, burning every night till midnight. Contract expires in February, 1897. 124.

LAWRENCE. Lawrence Gas, Fuel and Electric Light Co. Capital stock, $117,000; all paid in. G. W. E. Griffith, President. R. C. Johnson, Secretary and Superintendent. Chase C. King, Electrician. Annual meeting held in March. 2 Thomson-Houston, 2 Edison dynamos. Capacity of station, 70 arc, 450 inc. In use, 25 commercial arc, 18

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public street arc, 325 commercial inc. 2 90 h. p. Leffel waterwheels, 2 Ideal 70 h. p. engines, 2 90 h. p. boilers, Munson and Buffalo belts, Hill clutches, Candee and Okonite wire, 4 miles of street circuits. City pays $96 per light per year for 18 arc of 2,000 candles, burning till midnight every night. Contract expires in January, 1894. W H.

LEAVENWORTH. Leavenworth Coal Co. Capital stock, $75,000; all paid in. Lucian Scott, President. Tiffin Sinks, Secretary. J. E. Carr, Superintendent. W. B. Walker, Electrician. Annual meeting held in January. 5 Thomson-Houston dynamos. Capacity of station, 125 arc, 800 inc. In use, 70 commercial arc, 750 commercial inc. 2 Great Western engines and boilers, Page belts, Underwriters' wire, 14 miles of street circuits. X H.

Leavenworth Electric Light Co. Capital stock, $100,000; paid in, $75,000. Paul E. Havens, President. McCown Hunt, Secretary and Treasurer. W. B. Walker, Superintendent and Electrician. 2 Heisler, 5 Thomson-Houston dynamos. Capacity of station, 125 arc, 800 inc. In use, 90 commercial arc, 14 public street arc, 725 commercial inc. 2 Ball engines, 4 boilers, Evans friction belts, P. & B. and Shield brand wires, 10 miles of street circuits. City pays $120 per light per year for 14 arc of 2,000 candles, burning all of every night. Contract made annually in October. Ju.

LYONS. Lyons Electric Light and Power Co. Capital stock, $25,000. D. M. Bell, President. C. E. Williams, Secretary. J. C. Clark, Superintendent. Annual meeting held in February. 2 Fort Wayne Jenney dynamos. Capacity of station, 80 arc, 200 inc. In use, 17 public street arc, 170 commercial inc. New York Safety engine, Porter boilers, Underwriters' wire, 2¼ miles of street circuits. City pays $108 per light per year for 17 arc of 2,000 candles, burning every night till midnight. Contract expires in March, 1891. P F.

MANHATTAN. Manhattan Electric Light and Power Co. Capital stock, $25,000; paid in, $14,000. Dr. C. J. Little, President. Dr. J. Robinson, Secretary. H. M. Sheppard, Superintendent. Annual meeting held in January. Slattery and Wood dynamos. Capacity of station, 25 arc, 600 inc. In use, 9 commercial arc, 10 public street arc, 430 commercial inc. 1 Ideal engine, 1 boiler, 3 miles of street circuits. City pays $87.50 per light per year for 8 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires annually in January. Ju.

MARION. Water Supply and Electric Light Co. Capital stock, $100,000. J. F. Thompson, President. F. E. Palmer, Secretary. Taylor Riddle, Superintendent. T. E. Mason, Electrician. Annual meeting held in July. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 600 inc. In use, 10 commercial arc, 15 public street arc, 240 commercial inc. 1 Russell engine, 2 Palmer boilers. City pays $80 per light per year for 15 arc of 1,200 candles, burning every night till midnight. Contract expires annually in August. T O.

MARYSVILLE. Marysville Electric Light Co. G. W. Parrish, Proprietor. 2 Brush dynamos. Capacity of station, 20 arc, 225 inc. In use, 5 commercial arc, 10 public street arc, 200 commercial inc. 1 Ideal engine, Atlas boiler, Bickford & Francis belts, Underwriters' wire, 2 miles of street circuits. City pays $100 per light per year for 10 arc of 2,000 candles, burning every night till midnight. Contract expires in August, 1893. 126.

McPHERSON. McPherson Thomson-Houston Electric Light Co. Capital stock, $30,000; paid in, $14,189. B. A. Allison, President. James B. Darrah, Secretary, Superintendent and Electrician. Annual meeting held in January. 4 Thomson-Houston dynamos. Capacity of station, 70 arc, 400 inc. In use, 18 commercial arc, 12 public street arc, 360 commercial inc. 1 Buckeye engine, Buckeye and Haxtun boilers, Munson belts, Shield brand wire, 2 miles of street circuits. City pays $100 per light per year for 12 arc of 2,000 candles, burning every night till midnight. Contract expires in January, 1910. P G.

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MINNEAPOLIS. Minneapolis Water Co. Capital stock, $80,000. A. B. Turner, Boston, President. Adolph Gilbert, Secretary. W. F. Groom, Superintendent. C. E. Powell, Electrician. Annual meeting held in May. 2 Thomson-Houston dynamos. Capacity of station 35 arc, 650 inc. In use, 15 commercial arc, 7 public street arc, 200 commercial inc. 1 Russell engine, 2 Pond boilers, Munson belts, Underwriters' wire, 4 miles of street circuits. City pays $85 per light per year for 7 arc of 1,200 candles, burning every night till midnight. Contract expires annually in January. Ju.

NEWTON. Newton Real Estate and Investment Co. Capital stock, $60,000; paid in, $20,000. J. M. Raysdale, President. W. G. Oldfield, Secretary and Superintendent. Lewis McCormick, Electrician. Annual meeting held in January. 3 Thomson-Houston dynamos. Capacity of station, 75 arc. In use, 55 commercial arc, 13 public street arc. 1 60 h. p. Ide engine, 1 boiler, Munson belts, Underwriters' wire, 2 miles of street circuits. City pays $76.92 per light per year for 13 arc of 2,000 candles, burning every night till midnight. No contract. S S G.

NICKERSON. Nickerson Electric Light and Power Co. Capital stock, $10,000; paid in, $7,400. C. E. Desker, Superintendent. W. E. Desker, Electrician. Jenney and Hawkeye dynamos. Capacity of station, 300 inc. In use, 400 commercial inc., 41 public street inc. 1 50 h. p. engine, 1 75 h. p. boiler, Underwriters' wire, 2 miles of street circuits. City pays $36 per light per year for 41 inc. of 16 candles, burning in City Hall every night from dusk to midnight. Contract expires at the option of the city. L F.

OSWEGO. Carpenter & Harrison. Thos. Van Sant, Electrician. 2 Thomson-Houston dynamos. Capacity of station, 30 arc, 500 inc. In use, 6 commercial arc, 16 public street arc, 450 commercial inc. 1 Porter engine, 2 Palmer & Son boilers, Munson belts. City pays $120 per light per year for 16 arcs of 1,200 candles, burning all of every night. Contract expires December 31, 1892. L F.

OTTAWA. Ottawa Electric Light and Water Works Co. C. T. Ewing, Proprietor. W. Mitchell, Superintendent. 1 Sperry, 1 Westinghouse dynamo. Capacity of station, 30 arc, 750 inc. In use, 8 commercial arc, 12 public street arc, 640 commercial inc. 1 Westinghouse engine, Palmer boilers, Munson belts, Okonite wire, 5¼ miles of street circuits. City pays $90 per light per year for 10 arcs of 2,000 candles, burning on moon schedule. Contract expires in March, 1893. Ju.

PARSONS. Parsons Light and Heat Co. Capital stock, $50,000; all paid in. Angell Mathewson, President. L. E. Weekes, Secretary. Chas. Workman, Superintendent and Electrician. 1 Thomson-Houston dynomo. Capacity of station, 35 arc. In use, 18 commercial arc, 18 public street arc. 1 Armington & Sims engine, Pond boiler, Munson belts, Underwriters' wire, 6½ miles of street circuits. City pays $168 per light per year for 18 arc of 2,000 candles, burning all of every night. Contract expires in 1904. V H.

PAOLA. Paola Water and Light Co. Not yet in operation. V V H.

PITTSBURG. Pittsburg Gas Light and Coke Co. Capital stock, $50,000; all paid in. O. T. Boaz, President. Sam'l Barratt, Secretary. J. A. Bendure, Superintendent and Electrician. Annual meeting held in April. 3 Westinghouse dynamos. Capacity of station, 70 arc, 750 inc. In use, 20 commercial arc, 30 public street arc, 300 commercial inc. 2 Ideal engines, 2 O'Brien boilers, Shultz belts, Shield brand wire, 16 miles of street circuits. City pays $96 per light per year for 30 arc of 2,000 candles, burning all of every night. Contract expires March 1, 1911. F 85.

PRATT CITY. Pratt City Electric Light Co. Plant not in operation.

SALINA. Salina Gas and Electric Light Co. Capital stock, $90,000; all paid in. E. W. Pike, President, Secretary and Superintendent. Elmer Carkhuff, Electrician. Meetings held July and January. Westinghouse, Thomson-Houston and Western Electric dynamos. Capacity of station, 65 arc, 750 inc. In use, few commercial arc, 400 inc.

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1 Ball engine, high speed, 3 Pen Iron Works boilers, Munson belts, Underwriters' wire, 12 to 15 miles of circuits, Esham clutches. V V H.

STERLING. Sterling Electric Light and Power Co. W. P. Benton, Secretary. Plant not running.

STOCKTON. City of Stockton. Capital stock, $6,000. O. A. Higgins, Mayor. F. A. Chipman, Clerk. C. E. Roberts, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 4 commercial, 10 public street arc, 200 commercial inc 1 60 h. p. Ball engine, 1 Darby & Son boiler, 2½ miles of street circuits. Lamps burn till 11 P. M. on moon schedule.

TOPEKA. Brush Electric Light Co. Capital stock, $100,000; all paid in. L. P. Baker, President. J. N. Baker, Secretary. F. B. Roper, Snperintendent and Electrician. Annual meeting held in August. 6 Brush dynamos. Capacity of station, 180 arc, 150 inc. In use, 140 commercial arc, 150 commercial inc. Hamilton-Corliss engines, tubular boilers. W G.

City of Topeka. Operates Ft. Wayne Jenney system. Burn 184 arc of 2,000 candles, all of every night. Plant installed in 1887.

Edison Electric Illuminating Co. Capital stock, $160,000. G. F. Parmelee, President. E. Wilder, Secretary. W. W. King, Superintendent and Electrician. Annual meeting held in January. 10 Edison dynamos. Capacity of station, 8,000 inc. In use, 7,000 commercial inc. 5 125 h. p. Armington & Sims engines, 5 J. Browich boilers, Munson and Link belts, K. K., Candee and Okonite wire, 60 miles of street circuits. W W H.

North Topeka Electric Light and Power Co. S G 75.

VALLEY FALLS. Piazzek Electric Co. J. M. Piazzek, President. D. F. Piazzek, Electrician. 1 Indianapolis Jenney dynamo. Capacity of station, 100 20 c. p. inc., 2 half arc. In use, 85 commercial inc. W H.

WASHINGTON. Washington Electric Light Co. Capital stock, $12,000; paid in, $8,000. A. W. Moore, President. G. H. Willes, Secretary. C. E. Roberts, Superintendent and Electrician. Annual meeting held in March. 1 Western dynamo. Capacity of station, 30 arc. In use, 15 commercial arc. 1 high speed Westingho use engine, 1 Erie city boiler, rawhide belts, Standard wire, 2 miles of circuits. Ju.

WELLINGTON. Wellington Electric Light and Power Co. Capital stock, $50,000; paid in, $11,000. A. Graff, President and Superintendent. T. P. Nehl, Secretary. Annual meeting held in October. 2 Thomson-Houston dynamos. Capacity of station, 60 arc. In use, 38 commercial arc, 11 public street arc. Ide engine, Dayton boiler, Munson belts. Ju.

Wellington Heat and Light Co. · O 75.

WICHITA. Citizens' Electric Co. Capital stock, $100,000. J. O. Davidson, President. J. W. O'Neill, Secretary. J. B. Avery, Superintendent and Electrician. Annual meeting held in November. Schuyler dynamos. Capacity of station, 270 arc, 5,000 inc. In use, 78 public street arc. 4 Russell, 2 Westinghouse engines, Russell boilers, 8 miles of street circuits. Ju.

Wichita Gas, Electric Light and Power Co. Capital stock, $—— ; paid in, $250,000. Henry C. Scott, President. Chas. E. Sharpe, Secretary. Rob't Jarney, Superintendent and Electrician. Thomson-Houston dynamos. Capacity of station, 120 arc. In use, 32 public street arc. Westinghouse engines. City pays $83.33 per light per year for 32 arc of 2,000 candles, burning till 1 A. M. every night. Y Y G.

WINFIELD. Winfield Gas Co. Capital stock, $100,000; paid in, $25,000. J. C. Fuller, President. D. A. Millington, Secretary. A. S. Allen, Superintendent and Electrician. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 35 arc. In use, 3 commercial arc, 28 public street arc. 1 50 h. p. Ideal engine, 1 Brownell boiler, Underwriters' wire, 5 miles of street circuits. City pays $123 (average)

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per light per year for 28 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires March 1, 1891.

KENTUCKY.

ASHLAND. Ashland Electric Light and Power Co. Capital stock, $25,000; paid in, $16,000. F. M. Brooks, President. Frank B. Moore, Secretary. Annual meeting held in November. 1 Westinghouse inc., 3 Waterhouse arc dynamos. Capacity of station, 60 arc, 750 inc. In use, 20 commercial arc, 35 public street arc, 200 commercial inc. 1 Russell and 1 Taylor engine, 1 Armstrong and 1 Driscoll boiler, Munson belts, Okonite wire, 12 miles of street circuits. City pays $100 per light per year for first 25 arc of 2,000 candles, and $80 for balance of 30, burning all of every night. Contract expires in 1897. P G.

BOWLING GREEN. Plant owned by city. James H. Milkson, Superintendent. Plant purchased in 1887 for $17,000. 62 lights of 2,000 candle power. Indianapolis Jenney system. Run by steam.

CLAY CITY. Kentucky Union Land Co. F. D. Carley, President. L. T. Rosengarten, Secretary. T. B. McCormick, Superintendent. J. C. Light, Electrician. 1 Edison dynamo. Capacity of station, 900 inc. In use, 650 commercial inc., 25 public street inc. 1 Buckeye engine, East Saginaw boiler, Hoyt belts.

CYNTHIANA. Cynthiana Electric Light and Power Co. Capital stock, $15,000. William Addams, President. J. T. Hedges, Secretary and Superintendent. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 650 inc. In use, 500 commercial inc., 66 public street inc. 1 Russell engine and boiler, 6 miles of street circuits. City pays $15 per light per year for 66 inc. of 25 candles, burning on moon schedule. Contract expires in April, 1895. P P G.

FRANKFORT. Capital Gas and Electric Light Co. Capital stock, $100,000; all paid in Gen'l D. W. Lindsey, President. E. L. Samuel, Secretary. Sam. J. Shea, Superintendent and Electrician. Meetings held in July and January. 2 Western dynamos. Capacity of station, 70 arc. In use, 45 commercial arc, 5 public street arc. 1 Russell engine and boiler, "K. D." belts, 4 miles of street circuits. City is lighted with gas. Y H.

HARRODSBURG. The Electric Light and Power Co. F 85.

LEBANON. Lebanon Electric Light and Ice Co. Capital stock, $30,000; paid in, $15,000. Geo. D. Boederick, President. J. M. Knott, Secretary. M. Doody, Jr., Superintendent. D. C. Linn, Electrician. Thomson-Houston dynamos. Capacity of station, 30 arc, 650 inc. In use, 6 public street arc, 200 commercial inc. Beck engines, Taylor boilers, Shultz belts, Grimshaw wire, 4 miles of street circuits. Company furnishes city with 6 arc lights free of charge. P P F.

LEXINGTON. Weston Electric Light Co. Dodge & Stoll, Owners. George R. Scrugham, Superintendent and Electrician. 3 United States dynamos, 3 Buckeye engines. Ju.

LOUISVILLE. Gooch Electric Co. H. A. & T. C. Gooch, Proprietors. T. C. Gooch, Superintendent. O. F. Conklin, Electrician. 3 Mather dynamos. Capacity of station, 2,000 inc. Wired for 3,000 commercial inc. 2 Beck engines, 1 Heine boiler, Shultz belts, American Electric Co. and Ansonia wire. T 80.

Louisville Electric Light Co. Capital stock, $87,000; all paid in. C. D. Pierce, President. Paul Gaylord, Secretary. T. G. Gaylord, Superintendent and Electrician. Annual meeting held in February. 22 United States and Westinghouse dynamos. Capacity of station, 250 arc, 4,500 inc. In use, 140 commercial arc, 4,500 commercial inc. Allis-Corliss engines, 7 boilers, 11 Eclipse clutches, 80 miles of street circuits. V V F.

Brush Light Co. Capital stock, $40,000; all paid in. M. Muldoon, President. R. E. Lavely, Secretary. L. S. Day, Superintendent and Electrician. Annual meeting held

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in January. 5 Brush dynamos. Capacity of station, 200 arc. In use, 170 commercial arc. 8 high speed engines, 2 Westinghouse and 1 Russell, 2 Root tubular boilers, Mantle & Cowan belts, Simplex-Okonite wire. S G.

MIDDLESBOROUGH. Middlesborough Electric Light, Heat and Power Co. G 75.

NEWPORT. Newport Light Co. Capital stock, $100,000; all paid in. John A. Williamson, President and Superintendent. L. R. Hawthorne, Secretary. E. W. Marsh, Electrician. Annual meeting held in January. 2 Ball dynamos. Capacity of station, 80 arc. In use, 50 commercial arc. Greenwald engine, 2 boilers, oak leather belts, Benedict & Burnham wire, 5 miles of street circuits. City is lighted by gas furnished by this company. W G.

OWENSBORO. The Electric Light Co. Capital stock, $40,000; paid in, $33,000. J. A. Hickman, President. H. C. Gaus, Secretary. Asa Williams, Superintendent. 4 Brush dynamos. Capacity of station, 70 arc, 450 inc. In use, 30 commercial arc, 31 public street arc, 370 commercial inc., 2 public street inc. 2 Ball engines, 2 Long boilers, Munson belts, 5 miles of street circuits. City pays $100 and $120 per light per year for 31 arc of 2,000 candles, and $30 for 2 inc. of 50 candles, burning till 1 A. M. on moon schedule. Contract expires in 1893. Have 26 arc at $120, and 5 at $100. S G.

PADUCAH. Paducah Gas Light Co. 75.

PARIS. Paris Electric Light Co. Capital stock, $75,000; paid in, $25,000. G. S. Vanleu, President. John Webb, Secretary. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 20 arc, 1,300 inc. In use, 500 commercial inc. 1 Ball engine and boiler, Bradford belts, K. K. wire, 4 miles of street circuits. G 85.

PINEVILLE. Pineville Electric Light Co. Capital stock, $25,000. James S. Ray, President. Thomas A. Hull, Secretary and Superintendent. E. E. Winship, Electrician. Annual meeting held in July. 2 Westinghouse dynamos. Capacity of station, 25 arc, 350 commercial inc. Westinghouse engine, Eric boiler, 5 miles of street circuits.

SOMERSET. Somerset Electric Light and Ice Co. Capital stock, $50,000; paid in, $29,500. Geo. P. Sallee, President. C. M. Dollins, Secretary. J. J. Crow, Electrician. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 650 inc. In use, 400 commercial inc., 68 public street inc. 1 Ball engine. City pays $15 per light per year for 68 inc. of 20 candles, burning on moon schedule. Contract expires in November, 1899. S G.

WINCHESTER. Winchester Electric Light and Power Co. Capital stock, $18,000; all paid in. J. D. Simpson, President. A. H. Hampton, Secretary. W. McNeil, Superintendent and Electrician. Annual meeting held in May. 2 Edison dynamos. Capacity of station, 600 inc. In use, 500 commercial inc., 76 public street inc. Buckeye engine and boiler, 5 miles of street circuits. City pays $32 per light per year for 76 inc. of 32 candles, burning till 12.30 A. M. every night. Contract expires in October, 1893. Ju.

LOUISIANA.

BATON ROUGE. Baton Rouge Electric Light and Power Co. Capital stock, $50,000; paid in, $15,000. O. B. Steele, President. Geo. Spencer, Secretary. Geo. F. Schminke, Superintendent. Mayo dynamos. Capacity of station, 60 arc. In use, 17 commercial arc, 35 public street arc, 586 commercial inc. Taylor engines and boilers, Munson belts, Okonite wire, 15 miles of street circuits. City pays $80 per light per year for 35 arc of 2,000 candles, burning all night on moon schedule. Contract expires April 7, 1892. T O 80.

MONROE. Monroe Electric Light and Power Co. Capital stock, $10,000; paid in, $8,500. L. D. McLain, President. F. G. Hudson, Secretary. D. O. Johnston, Super-

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intendent. A. H. Keller, Electrician. Annual meeting held in March. 1 Van Depoele dynamo. Capacity of station, 60 arc. In use, 41 commercial arc. 1 Ball high speed engine, 2 Erie boilers, Shultz belts, Standard wire, 2½ miles of circuits. N F.

NEW IBERIA. New Iberia Electric Light and Power Co. Capital stock, $10,000; all paid in. Joseph A. Breaux, President. Walter M. Gates, Secretary and Superintendent. Annual meeting held in October. Slattery dynamos. Capacity of station, 800 inc. In use, 800 commercial inc, 40 public street inc. Beck engines, Mitchell boilers, Munson belts, K. K. wire, 2 miles of street circuits. City pays $12.50 per light per year for 40 inc. of 30 candles, burning all night on moon schedule. Contract expires in March, 1895. Ju.

NEW ORLEANS. The Louisiana Electric Light Co. The arrangements by which this company assumes the assets and liabilities of the old Louisiana Electric Light and Power Co. have not been completed, so a full report cannot be obtained.

Edison Electric Illuminating Co. Capital stock, $200,000; all paid in. Charles Carroll, President. E. L. Bemiss, Secretary and General Manager. F. A. Pattison, Electrician. Annual meeting held in January. 12 No. 20 Edison dynamos. 12,688 (or equivalent) 16 c. p. commercial inc. 6 150 h. p. Armington & Sims engines, 8 boilers. W W G.

SHREVEPORT. Shreveport Gas, Electric Light and Power Co. Capital stock, $200,000. J. C. Hamilton, President. W. E. Hamilton, Secretary. Geo. McConnaughy, Superintendent. Thomson-Houston and Westinghouse dynamos. Capacity of station, 75 arc, 650 inc. Ball and Taylor engines, Munson belts, P. & B. wire, 9½ miles of circuits. S S H.

MAINE.

AUBURN. Lewiston and Auburn Electric Light Co. Capital stock, $180,000; all paid in. George C. Wing, President. A. R. Savage, Secretary. F. E. Bisbee, Superintendent. Annual meeting held in February. 1 Westinghouse, 8 Thomson-Houston dynamos. Capacity of station, 250 arc, 3,000 inc. In use, 175 commercial arc, 49 public street arc, 1,500 commercial inc. 2 Holmes water wheels, Page belts, 8 Hunter clutches, K. K. wire, 35 miles of street circuits. City pays 20 cents per light per night for 47 arc of 1,200 candles, burning all of at least 25 nights per month. Contract expires annually in March. Ju.

American Light and Power Co. Capital stock, $50,000; paid in, $40,000. E. H. Goft, President. E. W. Gross, Superintendent. 1 Brush, 1 Western, 4 American dynamos. Capacity of station, 200 arc, 1,300 inc. Water power, Page and Hoyt belts, P. & B. wire, 40 miles of street circuits. Ju.

AUGUSTA. Kennebec Light and Heat Co. (Augusta, Hallowell and Gardiner). S. R. Small, President. Geo. F. West, Treasurer and General Manager. J. A. Hamblin, Electrician. 11 Brush and Thomson-Houston dynamos. Capacity of station, 350 arc, 2,000 inc. In use, 75 commercial arc, 115 public street arc, 2,000 commercial inc., 20 public street inc. Holmes and Hercules water wheels, Adams and Schieren belts, 8 Hunter clutches, Bridgeport Brass Co. wire, 60 miles of street circuits. Cities pay $75 per light per year for 115 arc of 2,000 candles, and for 20 inc. of 32 and 65 candles, burning every night till midnight. Augusta has 68 lamps, Hallowell has 14, and Gardiner has 24. G 85.

BANGOR. City of Bangor. Brush system. 165 lights. Burn 140 street lights. Water power in connection with water works.

Bangor Electric Light and Power Co. Capital stock, $75,000; all paid in. F. M. Laughton, President. M. H. Wardwell, Secretary. Jos. G. Kimball, Superintendent. M. H. Rideout, Electrician. Annual meeting held in January. 6 Thomson-Houston dynamos. Capacity of station, 166 arc, 800 inc. In use, 100 commercial arc, 700 inc. 3 Armington & Sims high speed engines, 1 Cunningham and 1 Penobscot Boiler Co.'s boilers, Schieren belts, Ansonia wire, 10 miles of street circuits. V V H.

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BAR HARBOR. Bar Harbor Illuminating Co. Capital stock, $50,000; all paid in. N. B. Cleves, President. George F. West, Secretary. F. B. Buck, Superintendent and Electrician. Annual meeting held in May. 5 Thomson-Houston dynamos. Capacity of station, 50 arc, 1,600 inc. In use, 16 public street arc, 2,200 commercial inc. 1 Brown engine, 3 Miles boilers, 5 Hill clutches, Roebling wire, 10 miles of street circuits. City pays $100 per light per year for 16 arc of 1,200 candles, burning till 2 A. M. every night. Contract expires annually in March. Ju.

BATH. Bath Electric Light and Power Co. Capital stock, $50,000; all paid in. F. H. Twitchell, President. F. A. Sawyer, Secretary. Elemer E. Larrabee, Superintendent. F. A. Johnson, Electrician. 1 Thomson-Houston, 2 American and 2 Westinghouse dynamos. Capacity of station, 110 arc, 1,300 inc. In use, 27 commercial arc, 34 public street arc, 1,500 commercial inc. Westinghouse and Armington & Sims engines, 3 boilers, American, Underwriters' and Okonite wire, 20 miles of street circuits. City pays $100 and $150 per light per year for 32 arc of 2,000 candles, burning till midnight and all of every night. Contract expires in September, 1894. Ju.

BIDDEFORD. Biddeford-Saco Light and Power Co. Capital stock, $60,000. George P. Wescott, President. George F. West, Secretary. E. J. Sullivan, Superintendent and Electrician. Annual meeting held in April. 4 American, 3 Schuyler, 1 Thomson-Houston and 2 Westinghouse dynamos. Capacity of station, 80 arc, 1,200 inc. In use, 60 commercial arc, 154 public street arc, 1,000 commercial inc. 1 Porter, 2 Ball, and 2 Armington & Sims engines, 1 Sullivan and 2 Hodge boilers, Beatty belts, Bridgeport wire, 50 miles of street circuits. City pays $75 to $100 per light per year for 154 arc of 1,200 and 2,000 candles, burning till midnight on moon schedule. Ju.

BRUNSWICK. Brunswick Electric Light and Power Co. Capital stock, $50,000; paid in, $40,000. A. F. Gerald, President. H. F. Thompson, Secretary. C. B. Story, Electrician. Annual meeting held in February. Brush dynamos. Capacity of station, 60 half arc, 1,500 inc. In use, 20 commercial arc, 30 public street arc, 950 commercial inc. Holmes water wheels, Schieren belts, 4 Hill clutches, P. & B. and Okonite wire, 7 miles of street circuits. City pays 20 cents per light per night for 22 arc of 1,200 candles, burning on moon schedule till 1 A. M. Contract expires in March, 1895. S S G.

BUCKSPORT. Bucksport Electrical Co. Capital stock, $15,000; all paid in. John Post, Jr., President. F. S. Palmer, Vice-President and Manager O. K. Stewart, Treasurer. Chas. Holmes, Electrician. Annual meeting held in July. 1 Thomson-Houston alternating dynamo. Capacity of station, 650 inc. In use, 750 commercial inc. Ide engine, Penobscot boiler, Page belts, 5 miles of street circuits. Ju.

CALAIS. St. Croix Gas Light Co. Capital stock, $16,000; all paid in. Frank Todd, President. F. M. Davis, Secretary and Superintendent. Albert Raeish, Electrician. Annual meeting held in November. 2 Brush dynamos. Capacity of station, 120 arc. In use, 57 commercial arc, 18 public street arc, 20 commercial inc. Boston belts, Simplex wire, 11 miles of street circuits. City pays $72 per light per year for 18 arc of 2,000 candles, burning every night till midnight. Contract expires in 1890. Company also owns a plant in St. Stephen, N. B. P P G.

CAMDEN. Camden and Rockport Electric Light Co. Capital stock, $20,000; all paid in. Johnson Knight, President. R. Robinson, Secretary. C. B. Story, Electrician. Annual meeting held in February. 2 Brush, 1 Weston dynamo. Capacity of station, 30 arc, 1,000 inc. In use, 20 public street arc, 400 commercial inc. 1 Ide engine, 1 Rogers boiler, Schieren belt, Okonite and P. & B. wire, 5 miles of street circuits, Erie clutches.

CARIBOU. Caribou Electric Light Co. Capital stock, $10,000. Frank M. York, President. David M. Moody, Secretary. E. E. Douglass, Superintendent and Electrician. Annual meeting held in December. Mather dynamos. Capacity of station, 450 inc. In use, 250 commercial inc. Nagle engine, Boston rubber belt.

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DEXTER. Dexter Electric Light and Power Co. Capital stock, $20,000; paid in, $18,000. A. P. Abbott, President and Superintendent. W. H. Judkins, Secretary. Annual meeting held in July. Brush alternating dynamo. Capacity of station, 600 inc. In use, 40 public street inc Water power, 6 miles of street circuits. City pays $16.25 per light per year for 40 inc. of 32 candles, burning every night till midnight. Contract expires April 1, 1891. Ju.

EASTPORT. Eastport Gas and Electric Co. Capital stock, $50,000. D. D. Leavitt, President. N. B. Nutt, Secretary. J. F. Campbell, Superintendent and Electrician. Annual meeting held in January. 4 Thomson-Houston dynamos. Capacity of station, 50 arc, 1,500 inc. In use, 49 commercial arc, 26 public street arc, 700 commercial inc., 4 public street inc. 2 Ideal engines, Hodge & Cunningham boilers, Page belts, K. K. wire, 9 miles of street circuits. City pays $54.55 per light per year for 26 arc of 1,200 candles, and for 4 inc. of 32 candles, burning till 11 P. M., on moon schedule. Contract expires annually in March. Ju.

ELLSWORTH. Ellsworth Electric Light Co. 75.

FARMINGTON. Farmington Electric Light and Power Co. Capital stock, $5,000; paid in, $5,900. Austin Reynolds, President. H. H. Rice, Secretary. W. H. Cook, Electrician. Annual meeting held in June. Edison dynamos. Capacity of station, 300 inc. In use, 100 commercial inc., 25 public street inc. New York Safety engine, Dobbins boiler, 2½ miles of street circuits. City pays $350 per year for 25 inc. of 16 and 32 candles, burning till 11 P. M. every night. Contract expires in January, 1891. Ju.

GARDINER. Gardiner Electric Light Co. 75.

HALLOWELL. Hallowell Light and Power Co. Capital stock, $50,000. Geo. P. Westcott, President. S. O. Winter, Superintendent and Electrician. Thomson-Houston system. Ju.

HOULTON. Houlton Electric Co. Capital stock, $8,000; all paid in. H. F. Frisbie, President. W. Mansur, Secretary and Superintendent. DeFoust Champeon, Electrician. Annual meeting held in October. 2 Thomson-Houston dynamos. Capacity of station, 60 arc. In use, 35 commercial arc, 175 commercial inc. 1 Armington & Sims 60 h. p. engine, Whittier boiler, Ireson belts, 4 miles of street circuits. Ju.

LEWISTON. Plant owned by city. John F. Putnam, City Clerk. Plant purchased in 1888 for $15,000. 100 arc of 2,000 candle power, American system. Run by water power in connection with water works.

MACHIAS. Machias Electric Light Co. Capital stock, $9,900; paid in, $6,900. Joseph H. Coffin, President. H. R. Taylor, Secretary. C. C. Parker, Electrician. Annual meeting held in April. 1 Brush dynamo. In use, 2 commercial arc, 408 commercial inc., 5 public street inc. Simplex and Roebling wire. M M G.

NORWAY. Norway Electric Light Co. Capital stock, $12,000. H. L. Horne, President. Water power, Thomson-Houston system. Ju 85.

OAKLAND. Oakland Electric Light Co. Capital stock, $12,000; paid in, $6,000. A. R. Small, President. E. M. Forster, Secretary. H. W. Wells, Superintendent. Herbert Davis, Electrician. Thomson-Houston and Heisler dynamos. Capacity of station, 30 arc, 500 inc. In use, 15 commercial arc, 7 public street arc, 400 commercial inc., 50 public street inc. Use water power, 2 miles of street circuits. City pays $600 per year for 7 arc of 1,200 candles, and 50 inc. of 30 and 60 candles, burning every night till midnight. Contract expires annually. Ju.

OLD TOWN. Old Town Electric Co. P G 75.

PORTLAND. Consolidated Electric Light Co. of Maine. Capital stock, $400,000; all paid in. F. J. Rollins, President. James English, Treasurer and Manager. George T. Raymond, Superintendent. H. Mason, Electrician. American, Edison and Westinghouse systems. Capacity of station, 400 arc, 4,000 inc. In use, 350 arc, 4,000 inc.,

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200 miles of circuits. 10 Armington & Sims, 1 Westinghouse engines, 7 Jarvis boilers. Z G.

The Curtis Electric Light and Power Co. Capital stock, $800,000. A. J. Adams, President. Walter Mott, Treasurer. 85.

PRESQUE ISLE. Presque Isle Electric Light Co. Capital stock, $10,000; paid in, $8,000. J. W. Botton, President. A. C. Perry, Secretary. Sidney Graves, Superintendent and Electrician. Edison dynamos. Capacity of station, 250 inc. In use, 250 commercial inc., 5 public street inc. City pays $33 per light per year for 5 inc. of 16 candles, burning every night till midnight. Contract expires in 1892. Ju.

RICHMOND. Richmond Electric Light and Power Co. Capital stock, $9,500. Have not put in a plant.

ROCKLAND. Eastern Electric Construction Co. G. C. Moses. President. C. T. Frost, Secretary. 3 Thomson-Houston dynamos. Capacity of station, 100 arc. In use 25 commercial arc, 40 public street arc. Armington & Sims engines, Jarvis boilers, Schieren belts, American wire, 20 miles of street circuits. City pays 23 cents per light per night for 40 arc of 1,200 candles, burning on moon schedule. Ju.

SANFORD. Sanford Electric Light Co. 75.

SKOWHEGAN. Skowhegan Electric Light Co. Capital stock, $48,000; all paid in. E. P. Page, President. M. B. Heselton, Secretary. M. A. Carter, Superintendent and Electrician. 1 Westinghouse, 4 Edison dynamos. Capacity of station, 90 arc, 1,500 inc. In use, 30 commercial arc, 36 public street arc, 1,300 commercial inc., 2 Hunt waterwheels, Schieren belts, K. K., Edison, American and other wires, 14 miles of street circuits. City pays $48 per light per year for 36 arc of 1,200 candles, burning about 8 hours every night. Contract expires annually in April. S S G.

SOUTH BERWICK. South Berwick and Salmon Falls Electric Co. 75.

WARREN. Thomaston & Warren Electric Light and Power Co. Not yet in operation.

WATERVILLE. Waterville Electric Light and Power Co. 75.

WESTBROOK. Westbrook Electric Light Co. 75.

MARYLAND.

ANNAPOLIS. Annapolis Electric Light Co. P P G 75.

BALTIMORE. United States Electric Light and Power Co. Capital stock, $500,000. James R. Clark, President. P. O. Kilholtz, Secretary and Superintendent. Annual meeting held in November. United States dynamos. Capacity of station, 400 arc. 2 Wetherill Corliss engines, 6 Wetherill boilers. 127.

The Brush Electric Co. Capital stock, $500,000; all paid in. S. Baldwin, President. H. C. Tudor, Secretary. Edwin F. Baker, Superintendent and Electrician. Annual meeting held in March. 30 Brush dynamos. Capacity of station, 1,500 arc, 5,000 inc. In use, 300 commercial arc, 600 public street arc, 4,500 commercial inc. 13 Buckeye engines, 15 Coleman boilers, Munson and Hoyt belts, various wires, 150 miles of street circuits. City pays $146 per light per year for 600 arc of 3,000 candles, burning all of every night. No definite contract. Z Z H.

Waterhouse Electric Co. Capital stock, $250,000; all paid in. Howard Munnekhuysen, President. A. C. McCormack, Secretary. Frank Fisher, Manager. Waterhouse dynamos. Capacity of station, 300 arc, 2,000 inc. Ball engines, Campbell & Zell boilers Ju.

International Telephone District and Construction Co. Capital stock, $100,000; paid in, $86,000. Jas. B. Macneal, President. E. L. Withaus, Secretary and Superintendent. Charles Holt, Electrician. Annual meeting held in January. 3 Heisler, 2 Thomson-Houston dynamos. Capacity of station, 3,750 inc. In use, 2,500 commercial inc. 2 Russell engines, 4 Campbell boilers, K. K. wire, 25 miles of street circuits. V F.

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CUMBERLAND. Edison Electric Illuminating Co. Capital stock, $50,000; all paid in. J. B. G. Roberts, President and General Manager. Thos. W. Shryer, Secretary. W. M. Roberts, Jr., Superintendent and Electrician. Annual meeting held in March. 6 Edison dynamos. Capacity of station, 3,200 inc. In use, 2,400 commercial inc., 380 public street inc. New York Safety, Armington & Sims and Taylor engines, 3 Taylor boilers, Schieren belts, Standard Underground and K. K. wire, 18 miles of street circuits. City pays $11 and $13.50 per light per year for 380 inc. of 10 and 16 candles, burning all night on moon schedule. Contract expires in September, 1890. V G.

EASTON. Easton Electric Light Co. Capital stock, $20,000. P. S. Reed, President Charles Wrightson, Secretary. Hector Reid, Electrician. 1 Westinghouse dynamo. Capacity, 650 lights. 1 Westinghouse engine. S S H. See Addenda.

FREDERICK. City Electric Light Plant. Owned and operated by the city. Joseph E. Eisenbauer, Superintendent. Geo. W. Mulhern, Electrician. Annual meeting held in March. 2 Thomson-Houston dynamos. Capacity of station, 68 arc. In use, 65 public street arc. 1 Taylor engine and boiler, 7¼ miles of street circuits. Lamps burn on moon schedule at a total cost of about $4,000 per year.

FROSTBURG. Frostburg Electric Light and Milling Co. Capital stock, $8,000; all paid in. Dr. J. J. Jones, President and Secretary. Wm. H. Evans, Superintendent. John Whalley, Electrician. American and United States dynamos. Capacity of station, 25 arc, 400 inc. In use, 2 commercial arc, 300 commercial inc. 1 Westinghouse engine, 3 boilers, Childs belts, Moore wire. M F.

HAGERSTOWN. Hagerstown Electric Co. Capital stock, $60,000. C. E. S. McKee, President. George W. Smith, Jr., Secretary. T. B. Cushma, Treasurer. J. P. Lucas, Superintendent and Electrician. 2 Schuyler, 2 Westinghouse dynamos. Capacity of station, 90 arc, 130 inc. In use, 60 public street arc, 20 commercial arc, 1,150 commercial inc., 4 public inc. 2 Beck engines and boilers, Underwood belts, K. K. wire, 14 miles of street circuits. Ju.

PIEDMONT. Piedmont Electric Light and Power Co. 75.

POKOMOKE CITY. Pokomoke Electric Lighting Co. Capital stock, $12,000. Owned by Young & Colburn. Edison system. 1 Ball engine. G 85.

PORT DEPOSIT. Port Deposit Electric Light Co. Capital stock, $7,000; all paid in. H. E. Nesbitt, President. R. E. McClenehan, Secretary. D. G. Wilson, Treasurer. Annual meeting held in November. 1 Edison dynamo. Capacity of station, 300 inc. In use, 325 commercial inc., 45 public street inc. Taylor engine and boiler, 2 miles of street circuit. City pays $13.11 per light per year for 45 inc. of 16 candles, burning all night on moon schedule. Ju.

SALISBURY. Salisbury Electric Light and Power Co. Capital stock, $30,000; all paid in. Preston Lea, Wilmington, Del., President. A. A. Gillis, Secretary. John P. Owens, Superintendent and Electrician. Annual meeting held June 1. No. 10 Edison dynamo. Capacity of station, 2,000 inc. In use, 1,000 commercial inc., 113 public street inc. Corliss engines, Westville boilers, link leather belts, Roebling wire, 10 miles of street circuits. City pays $15 per light per year for 113 inc. of 16 candles, burning all of every night. Contract expires May 6, 1892. P P G.

SNOW HILL. Snow Hill Electric Light and Power Co. Capital stock, $12,000; all paid in. John P. Moore, President. W. S. Wilson, Secretary. John J. Collins, Superintendent. Annual meeting held in December. 1 Edison dynamo. Capacity of station, 500 inc. In use, 400 commercial inc., 50 public street inc. 1 Ball engine, Shultz belts, Edison wire, 5 miles of street circuits. City pays $600 per light per year for 50 inc. of 16 candles, burning all of every night. Contract expires in January, 1891. P G.

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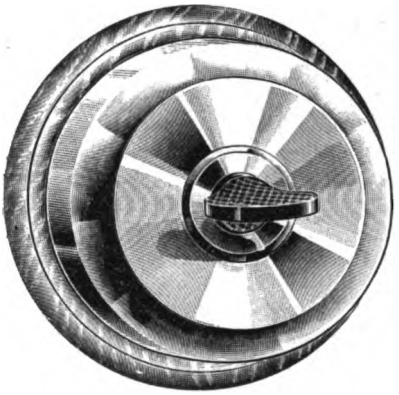

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SIZES.	PRICE.
5-Ampere S. P.	$0.75
10-Ampere S. P.	1.00

Subject to Discounts.

The Paiste Switch needs no introduction. Its record is unblemished.

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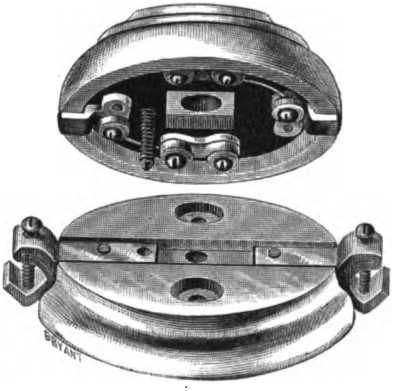

THIS CUT-OUT has been in practical working for the past six months, giving the best of satisfaction.

H. T. PAISTE,

Twelfth and Market Streets, - - Philadelphia, Pa.

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MASSACHUSETTS.

ABINGTON. Abington Electric Light and Power Co. of Abington and Rockland. Capital stock, $49,000. Edward P. Reed, of North Abington, President. George W. Kelley, of Rockland, Secretary. Annual meeting held in June. Plant not yet in operation.

ADAMS. Adams Electric Light Co., Limited. 75.

AMESBURY. Amesbury Electric Light and Patent Floor Co. Capital stock, $58,000; paid in, $38,100. W. G. Ellis, President and Superintendent. A. W. Bartlett, Treasurer. E. W. Goss, Electrician. Annual meeting held in July. 4 Thomson-Houston dynamos. Capacity of station, 90 arc, 500 inc. In use, 12 commercial arc, 50 public street arc, 450 commercial inc. 1 Westinghouse and 1 Rollins engine, Hodge and Cunningham boilers, Shieren and Page belts, Hill clutches, American and Clark wire, 10 miles of street circuits. City pays $75 per light per year for 50 arc of 1,200 candles, burning till midnight on all dark nights. Contract expires in April, 1892. P F.

AMHERST. Amherst Gas Co. Capital stock, $25,000. D. W. Palmer, President. George Cutler, Secretary. M. Sanderson, Superintendent and Electrician. Annual meeting held in June. 1 Westinghouse dynamo. Capacity of station, 1,500 inc. In use, 700 commercial inc., 7 public street inc. Westinghouse engines, Allen boilers, Boston Belting Co. belts, 10 miles of street circuits. Company furnishes free 7 inc. of 32 candles, burning on moon schedule till 11 P. M. P P G.

ANDOVER. Andover Electric Co. L. C. Dover, President. B. T. Smith, Secretary. W. H. Coleman, Superintendent and Electrician. 3 Thomson-Houston dynamos. Capacity of station, 50 arc, 1,300 inc. In use, 30 public street arc, 650 commercial inc., 67 public street inc. 2 Beck engines, 2 Holt boilers, Underwood belts, K. K. wire, 35 miles of street circuits. City pays $80 per light per year for 30 arc of 1,200 candles, and $17 for 67 inc. of 25 candles, burning till 12.30 A. M. on moon schedule. Contract expires in May, 1891. S G.

ATHOL. Millers River Gas Light Co. F. A. Sawyer, President. F. R. Davis, Secretary and Superintendent. A. E. McReel, Electrician. Annual meeting held in March. 1 Thomson-Houston dynamo. Capacity of station, 35 arc. In use, 1 commercial arc, 23 public street arc, 19 public street inc. 1 Ball engine, 1 Jarvis boiler, leather belts, 4 miles of street circuits. City pays $75 per light per year for 23 arc of 2,000 candles, and $15 for 19 inc. of 32 candles, burning on moon schedule. Contract expires in 1891. Ju.

BEVERLY. Beverly Gas Light Co. Capital stock, $50,000; all paid in. John I. Baker, President. Andrew W. Rogers, Secretary. E. J. Hassett, Superintendent. Alex. McCauley, Electrician. Annual meeting held in July. 2 Thomson-Houston dynamos. Capacity of station, 35 arc, 650 inc. In use, 12 commercial arc, 19 public street arc, 34 commercial inc. 1 Armington & Sims engine, Cunningham builer, Schieren belts, K. K. and Simplex wire, 9 miles of street circuits. City pays 50 cents per light per night for 19 arc of 2,000 candles, burning till midnight every night. Contract expires annually in March. V G.

BOSTON. Edison Electric Illuminating Co. Capital stock, $1,300,000; all paid in. Jacob C. Rogers, President. C. L. Edgar, General Manager. Annual meeting held in January. 32 Edison dynamos. Capacity of station, 25,000 inc. In use, 27,000 commercial inc. 16 Armington & Sims engines, 7 Whittier, 3 Heine boilers, Ireson and Schieren belts, Edison underground tubing wire, 35 miles of street circuits. X X H.

Walworth Light and Power Co. Capital stock, $15,000; all paid in. H. G. Door, President. C. H. Bagley, Clerk. F. C. Crocker, Superintendent. Annual meeting held in May. 1 American, 2 Thomson-Houston dynamos. Capacity of station, 75 arc, 900 inc. In use, 50 commercial arc, 700 commercial inc. 2 Armington & Sims engines, 2 Campbell boilers. P P G.

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Steam and Power Co. of Boston (P. O. Address, Box 1,572, New York City). 8 Ball and Thomson-Houston dynamos. Capacity of station, 60 arc, 100 inc. Fitchburg and C. H. Brown & Co. engines, Russell and Kendall & Roberts boilers. Ju.

Charlestown Gas Co. Capital stock, $500,000; all paid in. James F. Hunnewell, President. Geo. B. Neal, Treasurer and Manager. Patrick Coyle, Superintendent. William Garvin, Electrician. Annual meeting held in February. 10 Brush dynamos. Capacity of station, 500 arc. In use, 49 commercial arc, 83 public street arc, 124 (series) commercial inc. Armington & Sims engines, 5 Cunningham boilers, Hunt belts, 30 miles of street circuits. City pays $146 per light per year for 83 arc of 2,000 candles, burning all of every night. Contract expires in January, 1895. X H.

Boston Electric Light Co. Capital stock, $1,000,000. F. A. Gilbert, President and Manager. Patrick Fahey, Superintendent. John O'Neal, Electrician. 2,200 Brush, Thomson-Houston and American lights. X X H.

Suburban Light and Power Co Capital stock, $75,000. Robert Armory, President and Manager. Charles S. Spaulding, Superintendent. American, Thomson-Houston and United States systems. W G.

Brookline Gas Co. Z H. See Addenda.

BRAINTREE. Monatiquot Electric Light and Power Co. Plant not yet put in.

BRIDGEWATER. Bridgewater Electric Co. F. A. Wyman, President. F. E. Alexander, Superintendent. Westinghouse dynamos. Capacity of station, 50 arc, 1,000 inc. Westinghouse engines. Ju.

BROCKTON. Edison Electric Illuminating Co. Capital stock, $71,000. Charles S. White, President. H. G. Balkam, Manager. Thomson-Houston, Edison and American systems. Ju.

CAMBRIDGE. Cambridge Electric Light Co. Capital stock, $200,000; all paid in. J. T. Bennett, President. F. H. Raymond, Secretary. W. R. Eaton, Superintendent. Annual meeting held in March. 10 Thomson-Houston dynamos. Capacity of station, 500 arc, 4,000 inc. In use, 50 commercial arc, 123 public street arc, 3,000 commercial inc., 190 public street inc. 5 McIntosh & Seymour engines, Kendall and Cunningham boilers, various belts and wires, 125 miles of street circuits. City pays $180 per light per year for 123 arc of 2,000 candles, and for 190 inc. of 40 candles, burning all of every night. Contract expires in 1891. Ju.

CANTON. Blue Hill Electric Co. Capital stock, $25,000; all paid in. Thomas Blanchard, President. W. W. Brooks, Treasurer. F. E. Alexander, Superintendent. 1 Westinghouse, 2 Waterhouse dynamos. Capacity of station, 70 arc, 1,000 inc. In use, 45 public arc, 53 public inc. 1 Westinghouse engine, 1 Whittier boiler, Simplex wire, Schieren belts, 12 miles of street circuits. City pays $60 per year for arc lights, $16 for inc., burning on the moon schedule. Contract one year. 65.

CHELSEA. Chelsea Gas Light Co. Capital stock, $300,000; all paid in. Wm. G. Peck, President. D. J. Coburn, Secretary. E. A. Chapel, Superintendent and Electrician. Annual meeting held in July. 7 Thomson-Houston dynamos. Capacity of station, 250 arc, 1,500 inc. In use, 75 commercial arc, 150 public street arc, 350 commercial inc., 200 public street inc. Armington & Sims and McIntosh & Seymour engines, Hodge and Cunningham boilers, Schieren belts, Simplex wire, 100 miles of street circuits. City pays $90 per light per year for 150 arc of 1,200 candles, and $14 for 200 inc. of 25 candles, burning all night on moon schedule. Contract expires in July, 1892. Z H.

CLINTON. Clinton Gas Light Co. Capital stock, $35,000; all paid in. Eli Forbes, President. Henry W. Bigelow, Secretary. Wm. H. Spaulding, Superintendent and Electrician. Annual meeting held in February. 2 Schuyler dynamos. Capacity of station, 90 arc, 600 inc. In use, 30 commercial arc, 34 public street arc, 350 commercial inc. 1 Fitchburg engine, 1 Robinson boiler, Gates belts, 3 Hill clutches, 15 miles

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of street circuits. City pays $100 per light per year for 34 arc of 1,200 candles, burning every night till midnight. No definite contract. S G.

CONCORD. Concord Electric Co. Capital stock, $20,000. T. T. Robbins, President. 75.

COTTAGE CITY. Cottage City Gas and Electric Light Co. Capital stock, $25,000; paid in, $8,000. H. H. Holcomb, President. J. Augustus Brownell, Treasurer. Lewis Bartlett, Superintendent. F. W. Jennings, Electrician. Annual meeting held in August. 2 Ball dynamos. Capacity of station, 60 arc. Electric plant runs only during the summer season, from June to September. Ju.

DANVERS. Plant owned by city, purchased 1889 for $15,000. T. G. Lynch, President. F. H. Caskins, Secretary and Superintendent. Annual meeting held in February. 2 Brush dynamos. 75 arc of 1,200 candle power. Ball high speed engine, Ball boiler, Schieren belts, Campbell's wire, 21 miles of circuits.

EAST BOSTON. Citizen's Electric Light Co. Capital stock, $60,000. Charles A. Snow, President. 575 American and Thomson-Houston lights. Ju.

Union Electric Light Co. 75.

EASTHAMPTON. People's Electric Light Co. Capital stock, $5,000; all paid in. Chas. W. Smith, President. H. L. Clark, Secretary. Annual meeting held in July. 1 Waterhouse dynamo. Capacity of station, 40 arc. In use, 8 commercial arc, 32 public street arc. Ball engine, 6 miles of street circuits. City pays $62.50 per light per year for 32 arc of 1,800 candles, burning till midnight on moon schedule. M F.

FALL RIVER. Fall River Electric Light Co. Capital stock, $90,000; all paid in. F. S. Stevens, President. Owen Durfee, Treasurer. Edward Leigh, Superintendent. Annual meeting held in March. 7 Thomson-Houston dynamos. Capacity of station, 326 arc. In use, 176 commercial arc, 84 public street arc. 4 Ide and Armington & Sims engines, 3 boilers. City pays $180 per light per year for 84 arc of 2,000 candles, burning all of every night. Ju.

Edison Electric Light Co. Capital stock, $90,000; paid in, $81,600. Jerome C. Borden, President. Wm. S. Whitney, Secretary. Albert F. Daw, Superintendent. F. A. Peckinney, Electrician. Annual meeting held in September. 6 Edison dynamos. In use, 4,480 inc. 3 Armington & Sims engines, 3 boilers, 1 Edw. Readalt & Sons and 2 Babcock & Wilcox, Union Belt Co.'s belt, K. & K. and Clark's wire, about 10 miles of circuits. Ju.

FITCHBURG. Fitchburg Gas and Electric Light Co. Capital stock, $100,000; all paid in. Rodney Wallace, President. H. F. Coggshall, Secretary. A. H. Kimball, Superintendent. Annual meeting held July. 11 Thomson-Houston dynamos. Capacity of station, 225 arc, 1,000 inc. In use, 65 commercial arc, 100 public street arc, 600 commercial inc. 1 Putnam, 2 Fitchburg engines, 3 Ditton boilers, Hoyt belts, 9 Hill clutches, K. K. wire, 40 miles of street circuits. City pays $90 per light per year for 100 arc of 1,200 candles, burning every dark night till midnight. No contract. V V H.

FRAMINGHAM. Framingham Electric Co. Capital stock, $80,000; all paid in. J. R. Entwistle, President. H. L. Sawyer, Secretary. H. W. True, Electrician and Manager. Annual meeting held in July. 6 Thomson-Houston dynamos. Capacity of station, 120 arc, 1,500 inc. In use, 42 commercial arc, 1,216 inc., 60 public arc. 2 Armington & Sims engines, 2 Hodge boilers, Schieren belts, Faraday wire, 45¼ miles of circuits, 2 Hill clutches. Ju.

FRANKLIN. Union Electric Light Co. Capital stock, $20,000; all paid in. A. W. Morse, President. Eugene Griffin, Secretary. M. W. Turner, Treasurer. F. W. Crocker, Superintendent. Annual meeting held in July. 4 Thomson-Houston dynamos. Capacity of station, 60 arc, 1,200 inc. In use, 37 commercial arc, 34 public street arc, 600 commercial inc., 44 public street inc. McIntosh & Seymour and Armington & Sims engines, Cunningham boilers, 6 miles of street circuits. City pays

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$80 per light per year for 34 arc of 1,200 candles, and 44 inc. of 25 candles, burning till midnight on moon schedule. Contract expires annually in May. Ju.

GARDNER. Gardner Electric Co. Capital stock, $30,000; paid in, $28,000. Roderick L. Bent, President. Francis L. Whittemore, Secretary. Eugene F. Carpenter, Superintendent and Electrician. Annual meeting held in March. 5 Thomson-Houston dynamos. Capacity of station, 100 arc, 1,500 inc. In use, 11 commercial arc, 39 public street arc, 1,989 commercial inc., 29 public street inc. 3 Fitchburg engines, 2 Dillon boilers, Hudson belts, 6 Hill clutches, Simplex wire, 33 miles of street circuits. City pays $75 per light per year for 36 arc of 1,200 candles, and for 29 inc. of 25 candles, burning till midnight on moon schedule. No definite contract. Ju.

GLOUCESTER. Gloucester Electric Co. Capital stock, $20,000; all paid in. Wm. H. Jordan, President. Joseph O. Proctor, Secretary. Edward L. Norris, Superintendent and General Manager. J. J. Durney, Electrician. Annual meeting held in August. 4 Thomson-Houston dynamos. Capacity of station, 135 arc, 500 inc. In use, 77 commercial arc, 16 public street arc, 350 commercial inc., 40 public street inc. 2 Armington & Sims engines, 2 Cunningham boilers, K. K., Okonite and Simplex wire, 5 miles of street circuits. City pays $80 per light per year for 15 arc of 1,200 candles, and $17.50 for 40 inc. of 25 candles, burning till midnight on moon schedule. Contract expires in September, 1891. Ju.

GREAT BARRINGTON. Great Barrington Electric Light Co. Capital stock, $25,000. D. Ward Northrop, President. F. W. Wright, Secretary and Treasurer. Ward Lewis, Manager. E. S. Lewis, Electrician. Annual meeting held in October. 1 Westinghouse, 2 Edison dynamos. Capacity of station, 60 arc, 1,000 inc. In use, 4 commercial arc, 28 public street arc, 450 commercial inc., 20 public street inc. 2 Armington & Sims engines, Schieren and Jewell belts, 1 Hill clutch, K. K. wire, 10 miles of street circuits. City pays $75 per light per year for 28 arc of 1,500 candles, and for 20 inc. of 50 candles, burning till 11.30 P. M. on moon schedule. Contract expires annually in May. P P G.

GREENFIELD. Greenfield Electric Light and Power Co. Capital stock, $30,000; all paid in. Henry W. Warner, President. F. E. Pierce, Secretary. A. J. Doolittle, Superintendent and Electrician. Annual meeting held in February. 1 Westinghouse, 3 Thomson-Houston dynamos. Capacity of station, 45 arc, 1,600 inc. In use, 12 commercial arc, 33 public street arc, 1,200 commercial inc., 8 public street inc. Payne and McIntosh & Seymour engines, Jewell belts, 2 Hill clutches, K. K. and Simplex wire, 8 miles of street circuits. City pays $2,385 per year for 30 arcs of 1,200 candles, and 8 inc. of 64 candles, burning till midnight on all dark nights. Contract expires in 1895. P P G.

HAVERHILL. Essex Electric Light and Power Co. Capital stock, $85,000. Thomas Sanders, President. R. H. Sargent, Superintendent and Electrician. Thomson-Houston system. G 85.

HOLYOKE. Holyoke Water Power Co. Capital stock, $600,000; all paid in. Gideon Wells, President. E. S. Walters, Secretary. S. B. Winchester, Superintendent and Electrician. Annual meeting held in June. 2 Edison, 13 Schuyler dynamos. Capacity of station, 370 arc, 1,000 inc. In use, 175 commercial arc, 108 public street arc, 1,000 commercial inc. D. F. Coghlan boilers, B. F. Nichols belts, K. K. wire, 50 miles of street circuits. City pays 50 cents per light per night for 108 arc of 2,000 candles, burning all night on moon schedule. Contract expires in 1890. X X H.

HUDSON. Hudson Electric Light Co. Capital stock, $15,000; paid in, $9,125. F. S. Dawes, President. Geo. B. Cochran, Secretary. Geo. A. Tripp, Superintendent and Electrician. Annual meeting held in September. 2 Thomson-Houston dynamos. Capacity of station, 45 arc, 650 inc. In use, 8 commercial arc, 15 public street arc, 350 commercial inc. Ball engine, Allen boiler. City pays $100 per light per year for

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15 arc of 1,200 candles, burning every night till midnight. Contract expires annually in May. P G.

HYDE PARK. Hyde Park Electric Light and Power Co. 104 Thomson-Houston and American lights. 75.

LAWRENCE. Edison Electric Illuminating Co. Capital stock, $65,000; all paid in. F. E. Clarke, President. H. M. Whitney, Secretary. L. E. Barnes, Superintendent. C. J. Alexander, Electrician. 1 American and 8 Edison dynamos. Capacity of station, 50 arc, 4,000 inc. In use, 50 commercial arc, 3,500 commercial inc., 570 public street inc. 6 Armington & Sims engines, 1 Root and 3 Babcox & Wilcox boilers, 75 miles of street circuits. City pays $18 and $36 per light per year for 570 inc. of 20 candles, 437 burning till midnight, 133 all of every night. Contract expires in October, 1890. Ju.

Lawrence Gas Co. G. L. Davis, President. C. H. Humphreys, Manager. 4 Thomson-Houston dynamos. Capacity of station, 200 arc. In use, 120 commercial arc. 2 Armington & Sims high speed engines, 2 boilers, several kinds of belts, 6 miles of circuits. Z Z H.

LEE. Lee Electric Co. Capital stock, $15,000; all paid in. William L. Dresser, President and Superintendent. David Dresser, Secretary. Thomas T. Robinson, Electrician. Annual meeting held in July. 2 Thomson-Houston dynamos. Capacity of station, 40 arc, 600 inc. Hercules turbine engines, Russell & Holyoke boilers. 129.

LENOX. Lenox Gas and Electric Light Co. (Post Office address, Pittsfield.) Capital stock, $25,000. Charter obtained, but works not built yet.

LEOMINSTER. Leominster Electric Light and Power Co. Capital stock, $30,000; all paid in. E. A. Buffington, President. Charles A. Wheeler, Secretary. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 500 inc., 9 commercial arc, 41 public, 32 inc. in use. Fitchburg engines, Dillon boilers. Ju.

LOWELL. Lowell Electric Light Co. Capital stock, $300,000; paid in, $160,000. Geo. W. Fifield, President. John H. McAlvin, Secretary. S. J. Fletcher, Superintendent and Electrician. Annual meeting held in February. 23 Thomson-Houston dynamos. Capacity of station, 550 arc, 2,900 inc. In use, 350 commercial arc, 177 public street arc, 1,950 commercial inc. 3 Harris Corliss engines, 6 boilers, Gates belts, Hunter clutches, P. & B. wire, 40 miles of street circuits. City pays $182.50 per light per year for 177 arc of 2,000 candles, burning all of every night. W W G.

LYNN. Lynn Gas and Electric Co. Capital stock, $375,000; all paid in. Chas. H. Newhall, President. Chas. C. Fry, Secretary. Chas. F. Prichard, Superintendent. J. Frank Perry, Electrician. Annual meeting held in January. 13 Thomson-Houston dynamos. Capacity of station, 1,000 arc, 3,500 inc. In use, 160 commercial arc, 152 public street arc, 1,250 commercial inc., 980 public street inc. Fitchburg, Bull, Westinghouse, Corliss, McIntosh & Seymour engines, Cunningham and Scannell & Whalen boilers, Page and Schieren belts, 3 Hunter clutches, K. K. wire. City pays $146 per light per year for 152 arc of 2,000 candles, and $15 for 980 inc. of 25 candles, burning till 1 A. M. every night. Contract expires in November, 1894. Z Z H.

MALDEN. Malden Electric Co. Capital stock, $100,000; all paid in. John S. Bartlett, President. C. W. Royce, Secretary. A. E. Bliss, Superintendent. E. Treygoning, Electrician. 10 Thomson-Houston dynamos. Capacity of station, 250 arc, 4,000 inc. In use, 25 commercial arc, 185 public street arc, 2,000 commercial inc., 925 public street inc. 5 Armington & Sims engines, 3 Whittier boilers, various belts, Simplex wire, 250 miles of street circuits. City pays $100 and $90 per light per year for 175 arc of 1,200 candles, and $18 for 925 inc. of 25 candles, burning every night and on moon schedule till midnight. Contract expires annually in March. V G.

MANSFIELD. Mansfield Gas, Electric Light and Power Co. Not yet in operation.

MARLBORO. Marlboro Electric Co. Capital stock, $30,000; all paid in. Lorren

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Arnold, President. C. F. Holyoke, Superintendent. W. C. Gould, Electrician. Annual meeting held in July. 6 Schuyler and Edison dynamos. Capacity of station, 150 arc, 1,000 inc. In use, 43 commercial arc, 30 public street arc, 600 commercial inc., 25 public street inc. Fitchburg and Armington & Sims engines, 2 Robinson & Dobbins boilers, Schieren belts, Underwriters' wire, 5 miles of street circuits. City pays $100 per light per year for 25 arc of 2,000 candles, burning every night till midnight. Ju.

MIDDLEBORO. Middleboro Gas and Electric Co. Capital stock, $30,000. E. N. Wilbur, President. Geo. A. Smith, Secretary. John N. Main, Superintendent and Electrician. Westinghouse dynamos. Capacity of station, 35 arc. In use, 21 commercial arc, 21 public street arc. 2 Trenton engines, Kendall & Son boilers, Munson belts, Clark wire, 6 miles of street circuits. City pays $65 per light per year for 21 arc of 1,700 candles, burning all of every dark night. Contract expires in June, 1891. 130.

Middleboro Light and Power Co. Capital stock, $40,000; all paid in. W. A. Stilos, President. Geo. L. Hawes, Superintendent. 2 Thomson-Houston dynamos. Capacity of station, 30 arc, 700 inc. In use, 20 commercial arc. Water power, Gates belts, 4 Hunter clutches, Simplex and Okonite wire, 6 miles of street circuits. Ju.

MILFORD. Milford Electric Light and Power Co. G. M. Greene, President. E. A. Sweet, Electrician. Thomson-Houston dynamos. Capacity of station, 95 arc, 250 inc. In use, 34 public street arc. City pays $100 per light per year for 34 arc of 1,200 candles, burning till midnight every night. G 85.

MILLBURY. Millbury Electric Co. Capital stock, $10,000; all paid in. C. D. Morse, President. P. W. Wood, Secretary. C. T. P. Drew, Superintendent. Annual meeting held in October. Thomson-Houston dynamos. Capacity of station, 50 arc, 600 inc. In use, 2 commercial arc, 21 public street arc, 450 commercial inc., 12 public street inc. Armington & Sims engines, 9 miles of street circuits. City pays $80 per light per year for 21 arc of 1,200 candles, and for 12 inc. of 32 candles, burning 30 nights per month, averaging 7 hours per night. G 85.

MONSON. Monson Gas and Electric Co. Not yet in operation.

NATICK. Natick Electric Co. Capital stock, $40,000; all paid in. David F. Fiske, President. Henry W. True, Treasurer. Annual meeting held in March. 4 Thomson-Houston dynamos. Capacity of station, 90 arc, 800 inc. In use, 24 commercial arc, 800 inc. 2 Armington & Sims high speed engines, 1 Hodge boiler, Schieren belts, Faraday wire, 18 miles of circuits. S S H.

NEW BEDFORD. Edison Electric Illuminating Co. Capital stock, $150,000. John W. Macomber, President. Chas. R. Price, Secretary. Annual meeting held in July. 3 American, 10 Edison dynamos. Capacity of station, 100 arc, 7,700 inc. In use, 37 commercial arc, 7,500 commercial inc. 1 Westinghouse, 2 Ide, 2 Armington & Sims engines, 4 boilers, Union belts, 1 Bates, 2 Hill clutches, K. K. wire, 46¼ miles of street circuits. Ju.

New Bedford Gas Light Co. Capital stock, $400,000; all paid in. Gilbert Allen, President. Gilbert B. Taber, Secretary and Superintendent. Annual meeting held in July. 3 wood and 12 Thomson-Houston arc, 5 Westinghouse and 10 Edison inc. dynamos. Capacity of station, 550 arc, 15,000 inc. In use, 500 commercial arc, 90 public street arc, 12,500 commercial inc. 1 Harris, 2 Westinghouse, 3 Ide, 6 Armington & Sims engines, 3 Jarvis, 3 Bigelow, 3 Sunds boilers, Page and Underwood belts, Hill clutches, Simplex wire, 120 miles of street circuits. City pays $40 per light per year for 90 arc of 2,000 candles, burning all of every night. Z Z H 75.

NEWTON. Newton and Watertown Gas Light Co. Capital stock, $200,000; all paid in. Joseph N. Bacon, President. Francis Murdock, Treasurer. Waldo A. Leonard, Superintendent. Welles E. Holmes, Electrician. Annual meeting held in February. 6 Thomson-Houston dynamos. Capacity of station 90 arc, 3,000 inc. In use, 80 commercial arc,

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80 public street arc, 1,900 commercial inc., 600 public street inc. Armington & Sims and McIntosh & Seymour engines, 3 Whittier boilers, Schieren belts, P. & B. and Simplex wire, 50 miles of street circuits. City pays $100 per light per year for 72 arc of 1,200 candles, and $13.50 for 378 inc. of 25 candles, arc light burn all night on moon schedule, inc. till 12.30 A. M. Contract expires in June, 1893. Y Y G.

NORTH ADAMS. North Adams Gas Light Co. Capital stock, $50,000; all paid in. W. L. Brown, President. E. B. Hamblen, Secretary. L. W. Woodward, Superintendent. F. S. Richardson, Manager. Annual meeting held in July. 4 Thomson-Houston dynamos. Capacity of station, 135 arc, 500 inc. In use, 40 commercial arc, 70 public street arc, 375 commercial inc. Fitchburg engines, Hazleton boilers, Hunter clutches, P. & B. and Shield brand wires, 8 miles of street circuits. City pays $109.50 per light per year for 70 arcs of 1,200 candles, burning all of every night. Contract expires in July, 1893. S G.

NORTHAMPTON. Northampton Electric Lighting Co. Capital stock, $65,000; paid in, $58,700. A. McCallum, president. C. H. Pierce, Secretary. J. Crane, Superintendent and Electrician. Annual meeting held in January. 6 Thomson-Houston dynamos. Capacity of station, 145 arc, 1,950 inc. In use, 30 commercial arc, 89 public street arc, 1,000 commercial inc. Armington & Sims, Beck and Corliss engines, 3 Hawkins boilers, Nichols belts, 60 miles of street circuits. City pays $75 per light per year for 89 arc of 1,200 candles, burning till midnight 25 nights per month. Contract expires in April, 1891. 131.

NORTH ATTLEBORO. North Attleboro Steam and Electric Co. C. Watson, President. L. W. Dillon, Superintendent and Electrician. 280 Thomson-Houston and Schuyler lights. 75.

North Attleboro Electric Light Co. Thomson-Houston system. 75.

ORANGE. Orange Electric Light Co. A. L. Shattuck, President. E. S. Hall, Secretary and Treasurer. I. P. Sampson, Superintendent and Electrician. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 1,200 inc. In use, 15 commercial arc, 26 public street arc, 800 commercial inc. 2 Fitchburg engines, 2 Robinson boilers, Simplex wire. City pays $80 per light per year for 26 arc of 1,200 candles, burning till midnight on moon schedule. 132.

PALMER. Palmer Electric Co. Capital stock, $30,000. J. S. Holden, President. W. W. Leach, Secretary. W. E. Geer, Superintendent and Electrician. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 650 inc. In use, 6 commercial arc, 27 public street arc, 500 commercial inc. 1 Armington & Sims engine, Dobbin boiler, Underwood belts, American, Simplex and K. K. wire. City pays $76 per light per year for 27 arc of 1,200 candles, burning till midnight on moon schedule. S G.

PITTSFIELD. Pittsfield Illuminating Co. Capital stock, $25,000; all paid in. William Stanley, President. W. A. Whittlesey, Treasurer. W. R. Gardener, Superintendent. William Stanley, Jr., Electrician. Annual meeting held in July. 3 Westinghouse alternating dynamos. Capacity of station, 2,250 inc. In use, 1,900 commercial inc. 3 Westinghouse engines, 3 boilers, K. K. wire. S G.

Pittsfield Electric Light Co. Capital stock, $5,000; all paid in. Alexander Kennedy, President. W. R. Plunkett, Secretary. C. E. Merrill, Superintendent. Geo. Dunbar, Electrician. Annual meeting held in March. 4 Thomson-Houston dynamos. Capacity of station, 130 arc, 500 inc. In use, 46 commercial arc, 45 public street arc, 135 commercial inc., 120 public street inc. 1 C. H. Brown and 1 Woodruff & Booth engine, 2 H. S. Russell boilers, Hoyt belts, K. K. and American wire, 30 miles of street circuits. City pays $65 per light per year for 45 arc of 1,200 candles, and for 120 inc. of 25 candles, burning till 12.30 A. M., 25 nights per month. Contract expires May 1, 1891. P F.

PLYMOUTH. Plymouth Electric Light Co. Capital stock, $40,000. M. A. S. Alles,

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President. A. Lord, Secretary. C. E. Barnes, Superintendent. Annual meeting held in December. Thomson-Houston dynamos. Capacity of station, 80 arc, 1,000 inc. In use, 18 commercial inc., 18 public street arc, 300 commercial inc., 91 public street inc. Ideal engines, 2 Cunningham boilers, 5 miles of street circuits. City pays $80 per light per year for 18 arc of 1,200 candles, and $22 for 91 inc. of 32 candles, burning till midnight on moon schedule. Contract expires annually in July. Ju.

QUINCY. Quincy Electric Light and Power Co. Capital stock, $70,000. W. G. A. Pattee, President. Wm. B. White, Vice-President. Horace F. Spear, Treasurer. Geo. A. Voorhees, Superintendent. Annual meeting held in June. Thomson-Houston dynamos. Capacity of station, 110 arc, 1,000 inc. In use, 15 commercial arc, 700 commercial inc. 3 Armington & Sims engines, 2 Cunningham boilers, Bay State belts, Hill clutches, Okonite, K. K., Simplex and P. & B. wire, 45 miles of street circuits. Ju.

REVERE. North Shore Electric Co. Capital stock, $100,000. Benjamin F. Peach, Jr., President. T. T. Robinson, Secretary and Treasurer. E. J. Richards, Superintendent and Electrician. 7 Thomson-Houston dynamos. Capacity of station, 150 arc, 1,150 inc. In use, 150 commercial arc, 15 public street arc, 1,400 commercial inc., 108 public street inc. 4 Armington & Sims engines, 1 Cunningham and 2 Hodge boilers, Schieren belts, American Electrical Works wire, 25 miles of street circuits. City pays $80 per light per year for 15 arc of 1,200 candles, and $17 for 108 inc. of 25 candles, burning till midnight on moon schedule. Contract expires in September, 1891. Ju.

ROCKLAND. Rockland Electric Light and Power Co. Simply an organization. No plant yet in operation. J. J. Smith, Secretary.

SALEM. Salem Electric Lighting Co. Capital stock, $140,000. C. H. Price, President. H. M. Batchelder, Secretary and Treasurer. A. Morrill, Superintendent. G. Ober, Electrician. A. S. Temple, General Manager. Annual meeting held in January. Thomson-Houston dynamos. Capacity of station, 330 arc, 2,600 inc. In use, 100 commercial arc, 179 public street arc, 2,000 commercial inc. 1 Fitchburg and 2 McIntosh & Seymour engines, 4 Cunningham boilers, 4 Hill clutches, P. & B., Underwriters' and K. K. wire, 40 miles of street circuits. City pays $164.25 per light per year for 179 arc of 2,000 candles, burning all of every night. Contract expires in December, 1891. Ju.

SOUTH HADLEY FALLS. South Hadley Falls Electric Light Co. Capital stock, $7,000; all paid in. Henry E. Gaylord, President. W. R. Hill, Secretary and Manager. A. L. Pierce, Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 1,000 inc. 1 Ball engine. P F.

SOUTHBRIDGE. Southbridge Gas and Electric Co. Capital stock, $40,000; all paid in. Hiram C. Wells, President. H. T. Hyde, Secretary. J. P. Hyde, Treasurer and Superintendent. George A. Bartlett, Electrician. Annual meeting held in June. Thomson-Houston dynamos. Capacity of station, 100 arc, 650 inc. In use, 24 commercial arc, 49 public street arc, 565 commercial inc., 76 public street inc. 1 125 h. p. and 1 60 h. p. Armington & Sims engines, 2 Jarvis boilers, Hunter and Underwood belts, K. K. wire, 5 miles of street circuits. City pays $72 per light per year for 49 arc of 1,200 candles, and $16 for 76 inc. of 25 candles, burning 23 nights per month till midnight. Contract expires in 1890. S S G.

SOMERVILLE. Somerville Electric Lighting Co. Capital stock, $120,000. Elmer H. Capen, President. H. C. Buck, Secretary and General Manager. C. F. Dow, Superintendent and Electrician. Annual meeting held in February. 1 Edco, 7 Thomson-Houston dynamos. Capacity of station, 350 arc, 1,500 inc. In use, 23 commercial arc, 189 public street arc, 500 commercial inc., 652 public street inc. 1 McIntosh & Seymour and 3 Armington & Sims engines, Whittier, Hodge and Babcox & Wilcox boilers, Schieren, Page and Ireson belts, 132 miles of street circuits. City pays $20,000 per

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year for 141 arc of 2,000 candles and 275 inc. of 25 candles, arcs burning till 1 A. M. every night, inc. on moon schedule. Contract expires in August, 1892. Arlington pays $6,452 per year for 22 arc and 250 inc. Belmont pays $2,500 per year for 13 arc and 115 inc. All 3 year contracts expiring in 1892. Ju.

SPENCER. Spencer Gas Co. Capital stock, $85,000; all paid in. Luther Hill, President. Emerson Stone, Secretary. Edwin Evans, Superintendent. Harry Black, Electrician. Annual meeting held in January. 2 Ball dynamos. Capacity of station, 70 arc. In use, 65 public arc. Otto Gas engines, Bridgeport Brass Co.'s wire, 8 miles of circuits. V G.

SPRINGFIELD. United Electric Light Co. Capital stock, $300,000; all paid in. Elisha Morgan, President. W. A. Lincoln, Secretary and Treasurer. H. S. Anderson, Superintendent and Electrician. Annual meeting held in September. 12 Thomson-Houston arc, 4 Westinghouse alternating dynamos. Capacity of station, 530 arc, 4,500 inc. In use, 150 commercial arc, 341 public street arc, 4,000 commercial inc. Corliss, Green and Ide engines, 8 Hazleton boilers, Nicholas belts, Hill clutches, P. & B. wire, 60 miles of street circuits. City pays $83.33 per light per year for 341 arc of 1,200 candles, burning all of every night. Contract expires in May, 1894. Y H.

STOUGHTON. Stoughton Gas Light Co. Capital stock, $50,000; all paid in. Geo. F. Walker, President. Geo. H. Drew, Secretary. G. H. Walker, Superintendent. C. F. Wood, Electrician. Ball dynamos. Capacity of station, 70 arc. In use, 70 commercial arc. Fitchburg high speed engine, 7 miles of circuits. Ju.

TAUNTON. Taunton Electric Light Co. Capital stock, $30,000; all paid in. Chas. M. Rhode, President. E. D. Williams, Secretary. Jno. E. Chace, Superintendent and Electrician. Annual meeting held in January. 4 Arnoux & Hockhousen dynamos. R G.

TURNER'S FALLS. Franklin Electric Light Co. Capital stock, $10,000; all paid in. W. D. Russell, President. W. H. P. Gilmore, Secretary. Geo. Sherman, Superintendent. Annual meeting held in June. 2 Thomson-Houston dynamos. Capacity of station, 30 arc, 400 inc. In use, 20 public street arc, 200 commercial inc. Hill clutches. City pays $90 per light per year for 20 arc of 2,000 candles, burning till 12.30 A. M. every night. Contract expires annually in May. P G.

UXBRIDGE. Uxbridge and Northbridge Electric Co. 75.

WALTHAM. Waltham Gas Light Co. Capital stock, $140,000; all paid in. Lowell Clark, President. Geo. A. Stearns, Secretary. C. F. Spaulding, Superintendent. F. T. G. Hill, Electrician. Annual meeting held in January. 6 Thomson-Houston dynamos. Capacity of station, 145 arc, 1,050 inc. In use, 100 commercial arc, 50 public street arc, 700 commercial inc. 1 Straight Line and 2 Armington & Sims engines, Babcox & Wilcox boilers, leather belts, K. K. and Underwriters' wire, 4 miles of street circuits. City pays 35 cents per light per night for 50 arc of 1,200 candles, burning every night till 1 A. M. Contract expires in 1891. W W G.

WARE. Ware Electric Light Co. Capital stock, $15,000; all paid in. H. A. Davis, President. H. N. Clark, Secretary. Geo. E. Ballard, Superintendent and Electrician. Annual meeting held in May. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 500 inc. In use, 35 public street arc, 350 commercial inc. 1 Armington & Sims engine, 1 Allen boiler, Jewell belts, K. K. wire, 6 miles of street circuits. City pays $75 per light per year for 35 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires annually in April. P P G.

WEBSTER. Webster Electric Co. Capital stock, $45,000. N. T. Hurlbut, President. W. E. Geer, Electrician. Thomson-Houston and Westinghouse systems. 2 Armington & Sims engines. 75.

WESTBORO. Westboro Electric Light and Power Co. Capital stock, $25,000; paid in, $20.630. George O. Birgham, President. Wm. T. Forbes, Secretary. Geo.

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L. Smith, Superintendent. Ralph D. Smith, Electrician. 3 Thomson-Houston dynamos. Capacity of station, 50 arc, 1,200 inc. In use, 38 commercial arc, 26 public street arc, 1,000 commercial inc., 26 public street inc. 2 Armington & Sims engines, 1 Hodge, 1 Stewart boiler, Page and Kidder belts, American wire, 11 miles of street circuits. City pays $2,350 per year for 26 arcs of 1,200 candles, and 26 inc. of 32 candles, burning all dark hours. Contract expires annually in May. R G.

WESTFIELD. Westfield Gas Light Co. Capital stock, $54,000; all paid in. S. R. Norton, President. S. J. Foster, Secretary. Annual meeting held in January. 1 Thomson-Houston alternating inc., 3 Schuyler arc dynamos. Capacity of station, 105 arc, 500 inc. In use, 30 commercial arc, 49 public street arc, 340 commercial inc., 6 public street inc. 2 McIntosh & Seymour engines, 2 Bigelow boilers, cotton leather belts, K. K. and Underwriters' wire, 12 miles of street circuits. City pays $82.18 per light per year for 48 arc of 2,000 candles, and for 6 inc. of 25 candles, burning till 1 A. M. every night. Contract expires annually. V V H.

WHITMAN. Whitman Electric Co. Capital stock, $20,000; all paid in. D. A. Gourney, President. Charles D. Nash, Secretary. Willliam A. Harris, Superintendent and Electrician. Annual meeting held in November. Thomson-Houston dynamos. Capacity of station, 50 arc, 500 inc. In use, 13 commercial arc, 25 public street arc, 305 commercial inc., 83 public street inc. Armington & Sims engines, rented boiler power, 36 miles of street circuits. City pays $80 per light per year for 25 arc of 1,200 candles, and $12.50 for 83 inc. of 25 candles, burning till midnight on moon schedule. Contract expires in June, 1892. Ju.

WINCHENDON. Winchendon Electric Light and Power Co. Capital stock, $12,000; all paid in. Morton E. Converse, President. Waldo C. Corey, Treasurer. Annual meeting held in December. 2 Thomson-Houston dynamos. Capacity of station, 30 arc, 650 inc. In use, 9 public street arc, 35 public street inc. 1 Ball engine, 1 Allen & Endicott boiler, Globe belts, K. K. wire, 15 miles of street circuits. City pays $75 per light per year for 9 arc of 1,200 candles, and $15 for 35 inc. of 25 candles, burning till midnight on moon schedule. Contract expires in June, 1891. P G.

WOBURN. Woburn Electric Light Co. Capital stock, $120,000; all paid in. H. C. Buck, President. B. F. Whittemore, Secretary. F. S. Pearson, Treasurer. C. R. Fish, Manager. Geo. A. Blaisdell, Electrician. Annual meeting held in June. 6 Edison, 6 Thomson-Houston dynamos. Capacity of station, 340 arc, 2,900 inc. In use, 40 commercial arc, 40 public street arc, 1,500 inc. 2 McIntosh & Seymour, 3 Armington & Sims engines, 4 boilers, Schieren and Ireson belts, Hunter clutches, 150 miles of street circuits. City pays $75 per light per year for 40 arc of 1,200 candles, burning till 12.30 A. M. every night. Ju.

WORCESTER. Worcester Electric Light Co. Capital stock, $200,000; all paid in. Thomas M. Rogers, President. Herbert H. Fairbanks, Secretary and Treasurer. Wm. H. Coughlin, Superintendent and Electrician Annual meeting held in January. 18 Thomson-Houston dynamos. Capacity of station, 510 arc, 1,550 inc. In use, 475 commercial arc, 200 public street arc, 650 commercial inc. 1 Wheelock, 5 Armington & Sims engines, 6 Atlas boilers. City pays 55 cents per light per night for 200 arc of 2,000 candles, burning all of every night. V G.

Worcester Electric Power Co. Wm. Healy, President. Eben E. Thompson, Secretary. H. H. Bigelow, Treasurer. Fred Carrivon, Electrician. 2 Daft dynamos. S. C. Harton 75 h. p. engine, Allen boiler. Ju.

MICHIGAN.

ADRIAN. Electric Light and Power Co. J. H. Fee and Harry A. Fee, Proprietors. 6 Thomson-Houston dynamos. Capacity of station, 230 arc. In use, 125 commercial arc, 89 public street arc, 5 (series) commercial inc. 2 Lansing engines, 3 Lansing boilers,

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Munson belts, Candee, K. K. and Underwriters' wire. 80 miles of street circuits. City pays $96.44 per light per year for 89 arc of 2,000 candles, burning all of every night. Contract expires May 20, 1891. V G.

ALBION. Albion Electric Light Co. Capital stock, $33,000; paid in, $26,400. W. O'Donoughue, President. A. N. Foote, Secretary. W. A. Foote, Superintendent and Electrician. Annual meeting held in September. 5 Thomson-Houston dynamos. Capacity of station, 96 arc, 650 inc. In use, 80 commercial arc, 35 public street arc, 650 commercial inc. 1 Lansing engine and boiler, Hoyt belts, P. & B. and Underwriters' wire, 11 miles of street circuits. City pays $85 per light per year for 35 arc of 2,000 candles, burning all night and on moon schedule. Contract expires May 6, 1891. R R G.

ALLEGAN. Edison Allegan Light and Power Co. Capital stock, $20,000. N. F. Stoddard, President and Treasurer. George A. Morrison, Secretary. W. R. Willson, Superintendent and Electrician. 2 Edison dynamos. Capacity of station, 600 inc. 2 Victor turbines. P P F.

ALPENA. Alpena Electric Light Co. Capital stock, $24,000; all paid in. W. H. Johnson, President. Albert Pack, Secretary. A. E. Crouse, Superintendent and Electrician. Annual meeting held in February. Brush dynamos. Capacity of station, 80 arcs. In use, 50 commercial arc, 29 public street arc. Water power, Ansonia wire, 10 miles of street circuits. City pays $75 per light per year for 29 arc of 2,000 candles, burning till 1 A. M. on moon schedule. Contract made in 1881 and still running. P P G.

ANN ARBOR. Ann Arbor Thomson-Houston Electric Co. Capital stock, $50,000; all paid in. Joseph L. Hudson, President. A. L. Noble, Secretary. W. P. Stephens, Superintendent and Electrician. Use Thomson-Houston arc and inc. dynamos. City pays $81 per light per year for 75 arc of 2,000 candles, burning every night till 12.30 A. M. Contract expires in January, 1891. V G.

BATTLE CREEK. Battle Creek Electric Co. Capital stock, $75,000; all paid in. Geo. E. Neowes, President. A. M. Foote, Secretary. Stilman Westerman, Superintendent. J. B. Foote, Electrician. Annual meeting held in December. 4 Thomson-Houston dynamos. Capacity of station, 185 arc, 650 inc. In use, 125 commercial arc, 65 public street arc, 100 commercial inc. 3 Lansing Iron Works engines and boilers, Hoyt belts, Okonite and Simplex wire, 20 miles of street circuits. City pays $80 and $100 per light per year for 65 arc of 2,000 candles, 53 burning till midnight, 12 all night on moon schedule. Contract expires annually. S G.

BAY CITY. Bay County Electric Light Co. Wm. Swaller, President. Frank Armstrong, Secretary, Manager and Electrician. Annual meeting held in January. 6 Westinghouse dynamos. Capacity of station, 70 arc, 1,500 inc. In use, 53 commercial arc, 1,050 inc. 2 Westinghouse compound engines, 2 boilers, Schieren belts, 5 clutches, Standard Underground Cable Co. wire, 6 miles of street circuits. S G.

Plant owned by city. Plant purchased in 1886 for $30,689. 132 lights of 2,000 candle power. Indianapolis Jenney system. 1 Buckeye engine. Wm. H. Fitzhugh, Superintendent.

BENTON HARBOR. Benton Harbor and St. Joseph Electric Light Co. Capital stock, $25,000; all paid in. W. W. Bean, President and Treasurer. Thomson-Houston dynamos. Capacity of station, 50 arc, 600 inc. In use, 35 commercial arc, 10 public street arc, 500 commercial inc. 1 Phœnix (100 h. p.) engine and boiler, Munson belts, Simplex wire, 20 miles of street circuits. City pays $84 per light per year for 10 arc of 1,200 candles, burning till midnight on moon schedule. Ju.

BIG RAPIDS. Big Rapids Electric Light and Power Co. L. A. Hudnutt, Superintendent. John E. Russell, Electrician. 2 Thomson-Houston dynamos. Capacity of station 40 arc. In use, 11 commercial arc, 26 public street arc, 30 commercial inc. Victor water wheels, Preston belts, 1 Eclipse clutch, Ansonia wire, 10 miles of street circuits.

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City pays $106 per light per year for 26 arc of 2,000 candles, burning every night till midnight. Contract expires in December, 1890. Ju.

CADILLAC. Cummer Electric Light Co. Capital stock, $44,000; all paid in. W. W. Cummer, President. Geo. E. Lamb, Secretary. Edward Lapham, Superintendent. C. E. Kittardge, Electrician. 4 Thomson-Houston dynamos. Capacity of station, 130 arc, 600 inc. In use, 127 commercial arc, 18 public street arc, 659 commercial inc. Taylor engines, Love & Scofield boilers, Munson belts, Eclipse clutches, K. K. wire. City pays $66 per light per year for 18 arc of 1,200 candles, burning on moon schedule. Contract expires June 5, 1892. V H.

CHARLOTTE. Charlotte Electric Light Co. Capital stock, $35,000; all paid in. George Huggett, President. L. W. Toles, Secretary, Superintendent and Electrician. Annual meeting held in January. 1 Thomson-Houston arc, 1 Westinghouse inc. dynamo. Capacity of station, 50 arc, 750 inc. In use, 25 commercial arc, 17 public street arc, 300 commercial inc. 1 Westinghouse (100 h. p.) engine and boiler, Hoyt belts, Kerite and Roebling wire, 5 miles of street circuits. City pays $84 per light per year for 17 arc of 2,000 candles, burning till 11 P. M. every night. Contract expires in August, 1890. P P G.

CHEBOYGAN. W. & A. Arthur. 125 arc. Thomson-Houston system, 1 Leffel turbine. John Fredericks, Superintendent and Electrician. 75.

COLDWATER. Coldwater Electric Light, Power and Fuel Co. Capital stock, $25,000; all paid in. Clinton B. Fisk, President, deceased. John G. Parkhurst, Secretary. Fred Turrell, Electrician. Annual meeting held in January. 8 Western dynamos. Capacity of station, 140 arc. In use, 90 commercial arc, 60 public street arc, 18 commercial inc. Taylor engines and boilers, 12 miles of street circuits. City pays 25 cents per light per night for 60 arc of 2,000 candles, burning till 1 A. M. on moon schedule. R R G.

DETROIT. The Edison Illuminating Co. Capital stock, $200,000; paid in, $187,500. George Peck, President. Charles P. Gilbert, Secretary and General Manager. George Cats, Electrician. Annual meeting held in January. 14 Edison dynamos. Capacity of station, 15,000 inc. In use, 11,700 commercial inc. 7 Armington & Sims engines, 1 Zell, 4 Root boilers, Hoyt and Crone belts, various wires, 12 miles of street circuits. W W G.

Brush Electric Light Co. Wells W. Leggett, President. Allen Bourne, Secretary. Jos. E. Lockwood, General Manager. 8 Thomson-Houston, 25 Brush dynamos. Capacity of station, 1,795 arc, 2,000 inc. In use, 1,000 (or equivalent in light and power) commercial arc. 1 Cummer, 1 Corliss, 1 Payne, 2 Wright Corliss, 8 Ball engines, Edwards belts, Eclipse clutches, various wires. Z Z H.

Electrical Accumulator Co. (Branch of Electrical Accumulator Co. of New York). David J. Harris, Manager. W. F. Clark, Superintendent and Electrician. Use Edco and United States dynamos for charging batteries. Capacity of station, 4,000 inc. In use, 2,000 commercial inc. 2 Buckeye engines, 2 tubular boilers, Eureka belts, Standard Underground and Underwriters' wire, 3 miles of overhead street circuits, 1 mile underground conduits. 133.

Detroit Electric Light and Power Co. Capital stock, $800,000; all paid in. Wm. B. Moran, President. W. H. Fitzgerald, Secretary and General Manager. Ralph W. Phelps, Treasurer. O. D. Chase, Electrician. Annual meeting held in April. Fort Wayne dynamos. Capacity of station, 2,000 arc, 10,000 inc. In use, 60 commercial arc, 840 public street arc, 3,000 commercial inc. 3 Williams engines, Heine boilers, Eclipse clutches, New York Insulated Wire Co. wire, 250 miles of street circuits (underground). City pays $115,825.45 per year for 840 arc of 2,000 candles, burning all of every night. Contract went into effect July 1, 1890, for three years. Z H.

DOWAGIAC. Dowagiac Gas and Electric Co. Capital stock, $15,000; paid in, $10,000.

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F. W. Lyle, President. F. E. Lee, Vice President. Henry H. Porter, Secretary and Superintendent. 1 Westinghouse dynamo. Capacity of station, 750 inc. In use, 400 commercial inc., 100 public street inc. 1 Ball engine, 2 Lansing Iron Works boilers, Underwood belts, Standard Underground Cable Co.'s wire, 14 miles of street circuits. City pays $12 per light per year for 100 inc. of 32 candles, burning from dark to daylight on all dark nights. Contract expires in 20 years. City furnishes steam and engineer. P G.

EAST SAGINAW. The Swift Electric Light Co. Capital stock, $200,000. Alexander Swift, President. H. L. Brintnall, Secretary and Superintendent. Charles Gabrill, Electrician. Annual meeting held in January. 10 Brush and United States dynamos. Capacity of station, 300 arc, 1,700 inc. In use, 75 commercial arc, 134 public street arc, 1,700 commercial inc. Allis and Wickes engines, 3 boilers, Hoyt belts, 9 Hill and Eclipse clutches, K. K. wire, 60 miles of street circuits. City pays $120 per light per year for 134 arc of 2,000 candles, burning all of every night. Contract expires in October, 1891. W G.

EATON RAPIDS. C. S. & E. E. Horner. Capital stock, $15,000; all paid in. C. S. Horner, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity of station, 80 arc. In use, 15 commercial arc, 17 public street arc. Weatherproof wire, 6 miles of street circuits. City pays $80 per light per year for 17 arc of 2,000 candles, burning till midnight, 300 nights per year. Contract expires in December, 1892. P P F.

ESCANABA. Escanaba Lighting Co. Capital stock, $30,000; all paid in. H. A. Barr, President. Solomon Greenhoot, Secretary. H. Nichols, Superintendent and Electrician. Annual meeting held in June. Brush dynamos. Capacity of station, 45 arc, 650 inc. In use, 15 commercial arc, 20 public street arc, 550 commercial inc. 1 Ide and 1 Erie engine, 2 Erie boilers, Munson belts, Underwriters' wire, 6¼ miles of street circuits. City pays $90 per light per year for 20 arc of 1,200 candles, burning on moon schedule. Contract expires in 1894. Ju.

FLINT. People's Electric Light Co. Capital stock, $100,000; paid in, $75,000. James J. Hurly, President. C. H. W. Conover, Secretary. F. D. Lane, Superintendent and Electrician. Annual meeting held in April. 2 Van Depoele, 2 United States and 1 Westinghouse dynamos. Capacity of station, 120 arc, 650 inc. In use, 80 commercial arc, 600 inc. 3 Atlas high speed engines, 3 Atlas boilers, Bickford & Francis belts, Underwriters' wire, 15 miles of street circuits. V G.

GRAND LEDGE. Village of Grand Ledge. M. T. Struter, President. George B. Pratt, Secretary. B. H. Enos, Superintendent and Electrician. 1 Jenney dynamo. Capacity of station, 35 arc, 17 commercial arc, 15 public street arc. 1 Lansing engine and boiler, 4 miles of street circuits.

GRAND RAPIDS. Grand Rapids Edison Light and Fuel Gas Co. Capital stock, $150,000; paid in, $139,425. Daniel McCoy, President. Thomas F. Bechtel, Secretary. A. F. Walker, Superintendent and Electrician. Annual meeting held in January. 6 Edison and 3 Thomson-Houston dynamos. Capacity of station, 130 arc, 5,000 inc. In use, 113 commercial arc, 6,800 commercial inc. 1 Westinghouse and 3 Taylor engines, 4 boilers, K. K. wire. W G.

Grand Rapids Electric Light and Power Co. Capital stock, $100,000; all paid in. Wm. T. Powers, President. Wm. H. Powers, Secretary. J. W. Hayward, Superintendent. J. Ruthvin, Electrician. Annual meeting held in January. 23 Brush and American dynamos. Capacity of station, 250 arc, 1,000 inc. In use, 100 commercial arc, 120 public street arc, 600 commercial inc., 18 public street inc. 2 Michigan Iron Works engines, 5 Lietelt boilers, Studley belts, 3 Eclipse clutches, Roebling wire, 22 miles of street circuits. City pays $125 per light per year for 120 arc of 2,000 candles, burning all of every night. Contract expires at option of Common Council after August, 1890. V G.

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GREENVILLE. Greenville Electric Light Co. Indianapolis Jenney system. V G 75.

HILLSDALE. Hillsdale City Electric Light Co. F. W. Stock, Proprietor. A. D. Stock, Superintendent and Electrician. Thomson-Houston arc, Westinghouse alternating inc. dynamos. Capacity of station, 80 arc, 750 inc. In use, 41 commercial arc, 35 public street arc, 622 commercial inc. 2 Reynolds-Corliss engines, 3 steel boilers, Munson belts, Hill clutches, P. & B. and K. K. wire, 16 miles of street circuits. City pays $60 per light per year for 35 arc of 1,200 candles, burning till 1 A. M. on moon schedule. Contract expires in July, 1890. V G.

HOUGHTON. Peninsula Electric Light and Power Co. Capital stock, $110,000; paid in, $42,000. Jay A. Hubbell, President. Jas. B. Sturges, Secretary. Jas. R. Dee, Superintendent and Electrician. Annual meeting held in January. Thomson-Houston dynamos. Capacity of station, 280 arc. 1 Ball, 1 Porter, 1 William engine, Munson belts, Candee, Okonite, Underwriters' wire, 30 miles of street circuits. W G.

HUDSON. Hudson Electric Light Co. Capital stock, $15,000; paid in, $10,000. R. N. Johnson, President. E. J. Southworth, Secretary. C. F. Avis, Superintendent and Electrician. 2 Schuyler dynamos. Capacity of station, 80 arc. In use, 46 commercial arc, 23 public street arc. 1 Ball engine and boiler, Underwood belts, K. K. wire, 7 miles of street circuits. City pays $72 per light per year for 19 arc of 1,500 candles, burning till 1 A. M. on moon schedule. Contract expires in December, 1890. Ju.

IONIA. Ionia Electric Co. Capital stock, $25,000; all paid in. S. R. Gowmond, President. J. E. Just, Secretary. Frank Acker, Superintendent. Chas. Conner, Electrician. 4 Thomson-Houston dynamos. Capacity of station, 110 arc, 750 inc. In use, 45 commercial arc, 50 public street arc, 520 commercial inc. 2 Ball engines, 2 boilers, Munson belts, Hill clutches, K. K. wire. City pays $85 per light per year for 50 arc of 2,000 candles, burning till midnight on moon schedule. S G.

IRON MOUNTAIN. Iron Mountain Electric Light and Power Co. Capital stock, $25,000. 3 Brush dynamos. Capacity of station, 90 arc, 600 inc. 2 Reynolds-Corliss engines, 2 Hill clutches. Company is being reorganized, and is moving plant.

IRONWOOD. Ironwood Electric Co. Capital stock, $50,000; all paid in. J. D. Day, President A. L. Dickerman, Vice-President and General Manager. E. L. Bailey, Secretary and Treasurer. Frederick N. Bosson, Superintendent and Electrician. Annual meeting held in January. 3 Thomson-Houston dynamos. Capacity of station, 6,000 inc. In use, 2,800 commercial inc., 60 public street inc. 2 Allis engines, 6 Allis boilers, Munson belts, Eclipse clutches, Simplex wire, 250 miles of street circuits. City pays $27 per light per year for 60 inc. of 32 candles, burning till midnight on moon schedule. Contract expires in March, 1893. V G.

ISHPEMING. Ishpeming Gas and Electric Light Co. Capital stock, $40,000. C. Merryweather, President. F. Braasted, Vice-President. H. E. Hand, Secretary, Treasurer and Superintendent. Does not run an electric plant yet.

JACKSON. Jackson Electric Light Works. Capital stock, $100,000. W. A. Foote, President. A. N. Foote, Secretary. J. B. Foote, Superintendent and Electrician. 6 Thomson-Houston dynamos. Capacity of station, 300 arc. 65 commercial arc, 212 public street arc. 4 Lansing Iron Works engines, 3 boilers, Jewell belts, Simplex and Underwriters' wire, 70 miles of street circuits. City pays $91.25 per light per year for 212 arc of 2,000 candles, burning all of every night. Ju.

Edison Light Co. Capital stock, $100,000; all paid in. D. B. Hebbard, President. Geo. W. Carter, Secretary. C. W. Fowler, Superintendent. Annual meeting held in January. 6 Edison dynamos. Capacity of station, 40 arc, 4,000 inc. 3 Armington & Sims engines, 1 Zell, 2 Atlas boilers, Preston belts. V F.

KALAMAZOO. The Kalamazoo Electric Co. Capital stock, $100,000; paid in, $90,000. Fred Bush, President. H. C. Potter, Secretary. Annual meeting held in November. 6 Thomson-Houston dynamos. Capacity of station, 200 arc. In use, 68 commercial

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arc, 128 public street arc. 1 Ball, 2 Armington & Sims engines, Fraser & Chalmers boilers, Ansonia wire, 50 miles of street circuits. City pays 33 and 50 cents per night for 128 arc of 2,000 candles, burning till midnight and all night, 300 nights per year. V F.

LANSING. Lansing Electric Light and Power Co. Capital stock, $10,000; all paid in. O. F. Barnes, President. E. F. Cooley, Secretary and Superintendent. Thurlow Ingersoll, Electrician. 5 Thomson-Houston dynamos. Capacity of station, 165 arc, 650 inc. In use, 45 commercial arc, 100 public street arc, 650 commercial inc. 2 Lansing Iron Works engines, 3 boilers, 30 miles of street circuits. City pays $100 per light per year for 100 arc of 2,000 candles, burning all of every night. P F.

LAPEER. Lapeer Electric Co. Capital stock, $———; paid in, $12,000. E. C. Roberts, President. H. T. Merriam, Secretary. T. H. Roberts, Superintendent and Electrician. 3 Jenney dynamos. Capacity of station, 20 arc, 200 (series) inc. In use, 8 commercial arc, 9 public street arc, 150 commercial inc. McDonald engines, rope belts, Roebling wire, 6 miles of street circuits. City pays $100 per light per year for 9 arc of 2,000 candles, burning till 1 A. M. on moon schedule. F 70.

LUDINGTON. Frank Filer. S. Stillwell, Electrician. 1 Heisler and 2 Brush dynamos. Capacity of station, 90 arc, 300 inc. In use, 88 commercial arc, 44 public street arc, 200 commercial inc. 1 Reynolds-Corliss engine, 2 Davis boilers, Munson belts, Hill and Eclipse clutches, Underwriters' wire, 16 miles of street circuits. City pays $75 per light per year for 44 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires annually in August. W G.

Thomas R. Lyon. Henry Britton, Electrician. 1 Excelsior arc and 1 Mather inc. dynamo. Capacity of station, 45 arc, 100 inc. In use, 39 commercial arc, 100 commercial inc. Ideal engines, 2 T. E. Davis boilers, Munson's belts, 1 mile of street circuits. X X X H.

Ludington Electric Light and Power Co. Brush system. W G.

MANISTEE. Manistee Gas Light and Coke Co. H 75.

MARQUETTE. City of Marquette. F. O. Clark, Mayor. Plant installed in 1889. 3 Brush and 1 Westinghouse dynamo. Capacity of station, 120 arc, 750 inc.

MASON. Paddock & Henderson. 2 Thomson-Houston dynamos. Capacity of station, 60 arc. In use, 21 commercial arc, 30 public street arc, 20 commercial inc. 1 Fulton engine, 1 Lansing boiler, Hoyt belts, K. K. wire, 7 miles of street circuits. City pays $78 per light per year for 30 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in January, 1892. N G.

MENOMIMEE. Menomimee Electric Light Co. Capital stock $35,000; all paid in. Jacob Leisen, President. Joseph Flesheim, Secretary and Superintendent. Frank W. Amsber, Electrician. Annual meeting held in December. 1 Edison, 6 Brush dynomos. Capacity of station, 180 arc, 1,500 inc. In use, 80 commercial arc, 48 public street arc, 700 commercial inc. Straight line and Hamilton-Corliss engines, 2 Young boilers, Munson belts, 6 Hill clutches, Ansonia wire, 10 miles of street circuits. City pays $1,800 per year for the first 25 lamps, and $60 per light per year for remaining 18. Lamps are 2,000 c. p., and burn all night on moon schedule. P F.

MT. CLEMENS. Mt. Clemens Electric Co. Capital stock, $25,000. W. S. Donaldson, President. Frank P. Urich, Secretary. Chas. Freeman, Superintendent. 2 Thomson-Houston dynamos. Capacity of station, 30 arc, 650 inc. In use, 23 commercial arc, 500 commercial inc. 1 Ball engine, Stephen Pratt boiler, H. D. Edwards & Co. belts, K. & K. and weatherproof wire. G 65.

MUSKEGON. Muskegon Electric Light Co. Capital stock, $5,000; paid in, $46,000. David E. Ewing, President. Robt. E. Bunker, Secretary. G. P. Kingsbury, Superintendent. E. J. Beamer, Electrician. Annual meeting held in January. 7 Brush dynamos. Capacity of station, 285 arc, 1,000 inc. In use, 100 commercial arc, 123

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public street arc, 900 commercial inc. 3 Racine, 3 Buckeye engines, 4 (local) boilers. City pays $100 per light per year for 123 arc of 1,200 candles, burning till 4 A. M. on moon schedule. Contract expires in December, 1892. S G.

NORTHVILLE. Globe Furniture Co. Samuel Wilkinson, Electrician. 1 Heisler dynamo. Capacity of station, 300 inc. In use, 90 commercial inc., 65 public street inc. 1 Atlas engine, 1 Woodbury boiler, 9 miles of street circuits. City pays 6 to 9 cents per light per night for 65 inc. of 20, 32 and 60 candles, burning till 11.30 P. M. on moon schedule. Contract expires in 1894. W G.

PORT HURON. Excelsior Electric Co. Capital stock $50,000; all paid in. Henry McMoran, President. W. F. Davidson, Secretary and Treasurer. Joseph W. Smith, Superintendent and Electrician. Annual meeting held in March. 3 Thomson-Houston, 1 Westinghouse dynamos. Capacity of station, 129 arc, 650 inc. In use, 113 commercial arc, 350 inc. 2 Ball, 1 Westinghouse engine, high speed, 3 Phœnix boilers, Hoyt belts, K. & K. wire, 8 Hill clutches. S G.

SAGINAW. Saginaw Electric Light and Power Co. Capital stock, $50,000. Angus McIntyre, President. Richard Khuen, Secretary and Treasurer. John Herman, Superintendent and Electrician. Ft. Wayne Jenney and Slattery system. 1 Corliss and 1 Bass engine. 75.

ST. JOHNS. St. Johns Electric Light, Heat and Power Co. Capital stock, $25,000; all paid in. R. M. Steel, President. Rob't G. Steel, Secretary. T. C. Beach, Superintendent. Harry Touse, Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 30 arc, 650 inc. In use, 30 commercial arc, 550 commercial inc. 1 Buckeye engine, 4 Eagle boilers. M F.

ST. LOUIS. Edison Electric Light and Motor Power Co. Capital stock, $8,000. John A. Elwell, President. Lemuel Saviers, Secretary and Treasurer. S. R. Dewey, Electrician. 1 Edison dynamo. Capacity, 600 lights. 1 Leffel turbine. N F.

SAULT STE. MARIE. Edison Sault Light and Power Co. Capital stock, $60,000; all paid in. C. E. Ainsworth, President. C. S. B. Sutton, Secretary. W. H. Van Sickel, Superintendent and Electrician. Annual meeting held in January. Thomson-Houston and Edison dynamos. Capacity of station, 40 arc, 2,000 inc. In use, 21 commercial arc, 19 public street arc, 1,750 commercial inc. Munson belts, 2 Hill clutches, K. K. wire. City pays $90 per light per year for 19 arc of 1,200 candles, burning all of every night. Have no contract. V G.

STURGIS. Sturgis Gas and Electric Light Co. Capital stock, $18,000. H. L. Anthony, President. Harry A. Clapp, Secretary. Wm. C. Grobheiser, Superintendent. E. W. Pendleton, Jr., Electrician. Annual meeting held November 7. No. 8 Edison dynamo. Capacity of station, 600 inc. In use, 600 commercial inc., 90 public street inc. Taylor engines, Dutton boilers, Munson belts, Ansonia wire, 8 miles of street circuits. City pays $12.50 and $23 per light per year for 90 inc. of 16 and 32 candles, burning till 1 A. M. every night. Contract expires in April 1892. P G.

THREE RIVERS. Three Rivers Electric Co. Capital stock, $25,000; paid in, $12,500. H. D. Arnold, President. T. L. Arnold, Secretary. C. E. Ross, Superintendent. W. K. Freeman, Electrician. Annual meeting held in January. 1 National dynamo. Capacity of station, 1,000 inc. In use, 450 commercial inc. Shield brand wire. Ju.

TRAVERSE CITY. Traverse City Water and Electric Light Co. H. D. Campbell, Proprietor. D. F. Campbell, Superintendent. 1 Westinghouse alternating dynamo. Capacity of station, 500 inc. In use, 500 commercial inc. 1 Ball engine, 3 Lansing boilers, Munson belts, Standard underground wire. G 85.

UNION CITY. Rhenbottom & Bond. Capital stock, $5,000. A. G. Sleed, Electrician. 1 Heisler dynamo. Capacity of station, 320 inc. In use, 238 commercial inc., 30 public street inc. Payne engine, Douglass boiler, Schieren belts, 5½ miles of street circuits. City pays $20 per light per year for 30 inc. of 20 to 100 candles, burning till midnight on all dark nights. Contract expires in May, 1891. L F.

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VASSAR. Vassar Woolen Co. Geo. Watkins, Vice President and Superintendent. J. G. Selden, Secretary. Annual meeting held in January. 1 Jenney dynamo. Capacity of station, 30 arc. In use, 18 commercial arc, 11 public street arc. Smalley Bros. engine, Phœnix boiler, Curtis belts, 4 miles of street circuits. City pays $100 per light per year for 11 arc of 2,000 candles, burning till 11.30 on moon schedule. Contract expires in March, 1892. S G.

WEST BAY CITY. Home Electric Co. Capital stock, $50,000; paid in, $40,000. S. O. Fisher, President. F. D. Pierson, Secretary. S. L. Foster, Superintendent and Electrician. Annual meeting held in August. Thomson-Houston dynamos. Capacity of station, 175 arc, 1,000 inc. In use, 110 commercial arc, 52 public street arc, 600 commercial inc. 2 Ball engines, Hoyt belts, Hill clutches, K. K., Simplex, Shield brand, Okonite wire, 35 miles of street circuits. City pays $77 per light per year for 52 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in November, 1890 S G.

WYANDOTTE. Wyandotte Electric Light Co. Capital stock, $25,000. F. A. Kirby, President. Thomas D. Evans, Vice-President. E. H. Doyle, General Manager. 1 Wood, 1 Slattery dynamo. Capacity of station, 45 arc, 650 inc. 1 Atlas engine. R R G

YPSILANTI. Plant owned by city. F. P. Bogardus, Mayor. Frank Joslyn, City Clerk. Austin George, Electrician. Plant purchased in 1887 for $10,800. 80 arc of 2,000 candles. Indianapolis Jenney system. Hamilton-Corliss engine, 18 miles of circuits.

MINNESOTA.

ALBERT LEA. Albert Lea Electric Light and Power Works. Capital stock, $12,000; paid in, $9,000. C. G. Edwards, Manager and Secretary. C. H. Farnsworth, Superintendent and Electrician. 2 Thomson-Houston dynamos. Capacity of station, 35 arc, 125 inc. In use, 32 commercial arc, 120 commercial inc. 1 Armington & Sims engine, Brownell boiler, Munson belts. Ansonia and Underwriters' wire, 8 miles of street circuits. M M G.

ANOKA. Anoka Water Works, Electric Light and Power Co. Capital stock, $100,000; all paid in. E. T. Sylus, President. J. A. Chase, Secretary. F. P. Clough, Superintendent. W. Wegner, Electrician. Annual meeting held in November. 1 Westinghouse arc, 1 Westinghouse inc. Capacity of station, 50 arc, 650 inc. In use, 30 commercial arc, 30 public street arc, 400 commercial inc. Wisel & Vilter Co. engine, 2 boilers, Eclipse clutches, Standard underground wire, 10 miles of street circuits. City pays $96 per light per year for 30 arc of 2,000 candles, burning till 1 A. M. on all dark nights. Contract made in 1889 for 31 years. Ju.

AUSTIN. Austin Electric Light Co. Capital stock, $20,000; paid in, $13,000. S. H. & W. S, Pierce, Proprietors. Thomson-Houston dynamos. Capacity of station, 32 arc, 650 inc. In use, 32 commercial arc, 650 commercial inc. Ball engine, Nott belts, Candee and P. & B. wire, 5 miles of street circuits. P G.

BRAINERD. City of Brainerd. Werner Hemstead, Mayor. Patrick Murphy, City Clerk. Wm. Dresskell, Superintendent and Electrician. Thomson-Houston and Jenney dynamos. Capacity of station, 30 arc, 1,000 inc. In use, 32 public street arc, 1,100 commercial inc. Water power, leather belts, Eagle clutches, K. K. wire, 10 miles of street circuits. Lamps are of 1,200 candle power and burn all of every night. Ju.

CROOKSTON. Crookston Water Works, Power and Light Co. Capital stock, $250,000. Delos Jacobus, President. A. B. Gargas, Secretary. Van Depoele system. Water power. Q 85.

DULUTH. Duluth Electric Light and Power Co. Capital stock, $200,000; paid in, $100,000. J. F. Patten, President. W. E. Richardson, Secretary. W. Burgess, Superintendent and Electrician. 8 Westinghouse, 4 Thomson-Houston dynamos. Capacity of station, 130 arc, 2,800 inc. In use, 80 commercial arc, 2,200 commercial inc. Westinghouse and Hamilton-Corliss engines, Hill clutches. V G.

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Duluth Electric Co. Capital stock, $100,000. O. C. Hartman, President. W. M. Roberts, Secretary. T. W. Hugo, Superintendent. S. R. A. Horner, Electrician. 8 Excelsior arc, 4 United States inc. dynamos. Capacity of station, 240 arc, 2,000 inc. In use, 40 commercial arc, 185 public street arc, 2,000 commercial inc. 1 Hamilton-Corliss, 1 Rice and 1 Buckeye engine, Nott and Schieren belts. Eclipse clutches, K. K., Moore, Ansonia and Roebling wire, 60 miles of street circuits. City pays $127.75 per light per year for 185 arc of 2,000 candles, burning all of every night. Contract expires in May, 1895. Ju.

FARIBAULT. Faribault Consolidated Gas and Electric Light Co. 75.

FERGUS FALLS. Fergus Falls Gas and Electric Co. Capital stock, $115,000. James Campton, President. Andrew Erwin, Secretary, Superintendent and Electrician. Annual meeting held in January. 2 Heisler dynamos. Capacity of station, 350 inc. In use, 300 commercial inc., 80 public street inc. 1 Buckeye engine, 1 Brownell boiler, Nott belts, K. K. and Trinidad wire, 17 miles of street circuits. City pays $86 per light per year for 80 inc. of 32 candles, burning all of every night. Contract expires in July, 1891. Ju.

LITTLE FALLS. Little Falls Electric and Water Co. Capital stock, $150,000. S. Stall, President. John B. Hutchings, Secretary. Russell Baker, Superintendent. Annual meeting held in August. Waterhouse dynamos. Capacity of station, 35 arc, 500 inc. In use, 16 public street arc, 400 commercial inc. Water power, 3 miles of street circuit. City pays $96 per light per year for 16 arc of 2,000 candles, burning all of every night. W G.

MANKATO. Mankato Gas and Electric Light Co. Capital stock, $200,000. John F. Meager, President. R. E. Brown, Secretary. F. L. Walters, General Manager. 1 Heisler, 2 Thomson-Houston dynamos. City pays $27 per year each for 75 inc. V G.

MINNEAPOLIS. Minnesota Brush Electric Co. Capital stock, $600,000. W. A. Barnes, President. J. W. Griffin, Secretary. A. B. Barton, Treasurer. Joseph E. Turner, Superintendent and Electrician. Brush system. Capacity, 1,200 arc. Reynolds-Corliss engines. Z Z H.

West Side Power Co. 75.

MONTICELLO. Monticello Electric Light Co. Capital stock, $5,000; all paid in. Henry Kriess, President. Chas. S. Strout, Secretary. A. F. Barker, Superintendent. W. H. Keays, Electrician. 1 Heisler dynamo. Capacity of station, 160 inc. In use, 160 commercial inc., 32 public street inc. Watertown engine and boiler, rubber belts, 6 miles of street circuits. City pays $18 per light per year for 32 inc. of 30 candles, burning every night till midnight. Contract expires in January, 1991. P F.

NEW ULM. New Ulm Electric Light Co. Capital stock, $25,000; paid in, $12,000. Charles Wagner, President. Joseph A. Eckstein, Secretary. Annual meeting held in January. 1 Brush dynamo. Capacity of station, 1,000 inc. In use, 600 commercial inc., 60 public street inc. 1 Reynolds-Corliss engine, 2 Atlas boilers, Nott belts, Shield brand wire, 4 miles of street circuits. P F.

RED WING. Red Wing Gas and Electric Co. Capital stock, $65,000; all paid in. T. B. Sheldon, President. W. H. Putnam, Secretary. John Nelson, Superintendent. Geo. J. Rice, Electrician. Annual meeting held in May. 1 Indianapolis Jenney and 1 Westinghouse dynamo. Capacity of station, 20 arc, 750 inc. In use, 4 commercial arc, 5 public street arc, 350 commercial inc., 95 public street inc. 1 Russell engine, 2 Dunsmore boilers, Hoyt and Munson belts, Underwriters' wire, 37 miles of street circuits. City pays $2,430 per year for 5 arc of 2,000 candles, and 95 inc. of 16 candles, burning till midnight on moon schedule. Contract expires annually in June. S G.

ROCHESTER. Northwest Thomson-Houston Co. Plant not yet in operation.

SLEEPY EYE. Village of Sleepy Eye.

ST. CLOUD. St. Cloud Gas and Electric Co. Capital stock, $100,000; all paid in. C.

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S. Benson, President. A. L. Crumb, Secretary. J. A. Neil, Electrician. Annual meeting held in May. 1 Westinghouse and 2 Thomson-Houston dynamos. Capacity of station, 85 arc, 750 inc. In use, 50 commercial arc, 25 public street arc, 600 commercial inc. Water power, Nott belts, Eclipse clutches. City pays $125 per light per year for 25 arc of 2,000 candles, burning all of every night. V G.

ST. PAUL. St. Paul Gas Light Co. Gen. H. H. Sibley, President. C. Livingston, Vice-President and Manager. Morgan Brooks, Secretary and Treasurer. B. F. Ellison, Superintendent. 3 Westinghouse inc. and 16 Thomson-Houston arc dynamos. Capacity of station, 775 arc, 4,100 inc. In use, 500 commercial arc, 54 public street arc, 3,000 commercial inc. 2 Corliss and 3 Buckeye engines, 18 Tubular boilers, Munson belts, 28 Hill clutches. City pays 35 cents per light per night for 54 arc of 2,000 candles, burning every night till midnight. Contract expires in 1891. H 85.

Edison Electric Light and Power Co. Capital stock, $250,000; paid in, $232,200. N. C. Thrale, President. C. B. Lambarn, Vice-President. Geo. H. Finn, Secretary, Treasurer and General Manager. Annual meeting held in November. 12 Edison dynamos. Capacity of station, 12,000 inc. In use, 11,709 commercial inc. 6 150 h. p. Buckeye engines, 8 boilers, Underwood and Sikes belts, 85 miles of street circuits. Y H.

Economy Steam Heat Co. Edw. E. Davidson, President. R. A. Snowden, Secretary. I. A. Stevenson, Electrician. 1 Western Electric and 1 United States dynamo. Capacity of station, 160 arc, 1,300 inc. 1 Russell, 1 Ide, 1 Ideal and 1 Ball engine, 6 steel boilers.

STILLWATER. Stillwater Gas and Electric Light Co. Capital stock, $70,000; all paid in. J. Steples, President. R. S. Davis, Secretary. V. Johnson, Superintendent. S. T. Jenks, Electrician. Annual meeting held in July. 1 Westinghouse and 3 Excelsior dynamos. Capacity of station, 90 arc, 750 inc. In use, 70 commercial arc, 400 commercial inc., 250 public street inc. Atlas engines and boilers, Munson belts, Hill clutches. City pays $23 per light per year for 250 inc. of 25 candles, burning on moon schedule. Contract made in July, 1889, for five years. V V H.

WABASHA. R. E. Jones & Co. Capital stock, $5,000; all paid in. J. G. Lawrence, President and Superintendent. R. E. Jones, Secretary. H. B. Coville, Electrician. Annual meeting held in September. 2 Thomson-Houston dynamos. Capacity of station, 400 inc. In use, 220 commercial inc. Use water power, Munson belts, 3 Hill clutches, K. K. wire. M G.

WINONA. Winona Electric Light Co. T. T. Hayden and C. L. Bonner, Proprietors. 3 Van Depoele dynamos. Capacity of station, 80 arc, 750 inc. In use, 70 public street arc, 700 commercial inc. 1 Buckeye engine, Munson belts, 5 clutches. City pays $125 per light per year for 70 arc of 2,000 candles, burning on Philadelphia moon schedule. G 85.

MISSISSIPPI.

ABERDEEN. City Electric Light Plant. F. W. Saunders, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity of station, 35 arc. In use, 5 commercial arc, 30 public street arc. 1 Phœnix engine and boiler, 8 miles of street circuits. Lamps are of 2,000 c. p. and burn all night on moon schedule. Ju.

GREENVILLE. Greenville Electric Light and Power Co. Capital stock, $25,000; all paid in. C. M. Williams, President. H. P. Hawkins, Secretary and Superintendent. M. W. Shaw, Electrician. Annual meeting held in March. 1 Westinghouse, 2 Edison and 2 Van Depoele dynamos. Capacity of station, 80 arc, 1,500 inc. In use, 34 commercial arc, 43 public street arc, 1,500 commercial inc. 2 Taylor engines and boilers, Munson belts, 2 Brown clutches, Standard underground wire, 10 miles of street circuits. City pays $120 per light per year for 43 arc of 2,000 candles, burning on moon schedule. Contract expires in June, 1892. S G.

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MERIDIAN. Thomson-Houston Light and Power Co. Capital stock, $50,000. J. W. Fewell, President. W. L. Fewell, Secretary. Chris. C. Broome, Superintendent and Electrician. Annual meeting held in July. 4 Thomson-Houston dynamos. Capacity of station, 155 arc. In use, 98 commercial arc, 45 public street arc, 25 (65 candle power series) commercial inc. 2 Beck engines and boilers, Munson belts, Roebling wire, 30 miles of street circuits. 71.

NATCHEZ. Natchez Gas Light Co. Capital stock, $71,500; all paid in. L. G. Aldrich, President. J. J. Powers, Electrician. 4 Thomson-Houston dynamos. Capacity of station, 100 arc, 300 inc. In use, 10 commercial arc, 80 public street arc, 175 commercial inc., 17 public street inc. Taylor engines, Hazleton boilers, 25 miles of street circuits. City pays $85 per light per year for 80 arc of 1,200 and 2,000 candles, and 1¼ cents per light per hour for 7 inc. of 65 candles, burning all of every night. V F.

Natchez Electric Light, Heat and Power Co. Capital stock, $10,000. Louis Botto, President. Abe Moses, Vice-President. A. G. Campbell, Treasurer. Simon Mayer, Secretary. 60 arc Van Depoele, Erie engine. N F.

VICKSBURG. Hill City Electric Light Co. Capital stock, $25,000; paid in, $45,000. J. B. Mattingly, President and Superintendent. Thomas Denson, Secretary. W. L. Mattingly, Electrician. Annual meeting held in September. 4 Thomson-Houston dynamos. Capacity of station, 105 arc, 650 inc. In use, 45 commercial arc, 60 public street arc, 650 commercial inc. Buckeye and Beck engines, Heine boilers, Schieren belts, K. K. wire, 15 miles of street circuits. City pays $114 per light per year for 60 arc of 2,000 candles, burning on moon schedule. Contract expires January 1, 1893. R. H.

MISSOURI.

BOONVILLE. Boonville Electric Light and Power Co. Capital stock, $10,000. John Cosgrove, President. Chas. C. Bell, Secretary. S. J. Duncan, Superintendent and Electrician. Sperry and National dynamos. Capacity of station, 30 arc, 500 inc. In use, 20 public street arc. Ideal engine, Ansonia wire, 5 miles of street circuits. City pays $120 per light per year for 20 arc of 2,000 candles, burning all night on moon schedule. Contract made in January, 1890, for 5 years. P F.

BROOKFIELD. Brookfield Electric Light and Power Co. 75.

BUTLER. Butler Gas, Electric Light and Motive Power Co. Franchise expired.

CARROLLTON. Carrollton Water, Light, Heat and Power Co. Capital stock, $50,000. B. F. Jones, President. O. B. Gunn, Secretary. S. K. Turner, Superintendent. J. W. Lacy, Electrician. 2 Sperry dynamos. Capacity of station, 40 arc. In use, 26 commercial arc, 11 public street arc, 25 (series) commercial inc. 1 Ball engine and boiler, Schieren and Ireson belts, 4 miles of street circuits. City pays $108 per light per year for 11 arc of 2,000 candles, burning every night till midnight. Company will at once add 500 inc. S S H.

CARTHAGE. Carthage Electric Light and Power Co. Capital stock, $30,000; paid in, $15,000. Wm. B. Myers, President. T. J. Rittenhouse, Secretary. W. K. Martin, Electrician. Annual meeting held February 15. 2 Sperry dynamos. Capacity of station, 45 arc, 110 inc. In use, 45 commercial arc, 110 inc. 1 Beck high speed engine, 1 Jaylor boiler, Schieren belts, 2 miles of circuits. P P G.

CHILLICOTHE. Chillicothe Water and Light Co. Capital stock, $250,000; all paid in. Lewis H. Champman, President. H. G. Seymour, Secretary and Superintendent. Annual meeting held in March. 1 Western, 2 Sperry dynamos. Capacity of station, 95 arc, 150 inc. In use, 37 commercial arc, 30 public street arc, 100 commercial inc. Ball engines, Pond boilers, Munson belts, P. & B. wire, 5 miles of street circuits. City pays $150 per light per year for 30 arc of 2,000 candles, burning all of every night. Contract expires in March, 1891. 72.

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DE SOTO. A. Pecant. Capital stock, $6,000; all paid in. J. B. Primm, Electrician. 1 Edison dynamo. In use, 200 commercial inc. 1 Westinghouse engine, Erie boiler, oak leather belts, Underwriters' wire, 1 mile of street circuits. N F.

FULTON. Fulton Electric Light Co. Capital stock, $10,000; paid in, $8,500. J. F. Llewellyn, President. W. C. Duncan, Secretary and Superintendent. 1 Westinghouse dynamo. Capacity of station, 750 inc. In use, 450 commercial inc., 79 public street inc. Westinghouse engine, Erie City boilers, Roebling wire, 6 miles of street circuits. City pays $12 per light per year for 79 inc. of 25 candles, burning till 11 P. M. on moon schedule. Contract expires in February, 1891. Ju.

HOLDEN. Holden Water Co. 75.

HANNIBAL. City of Hannibal. W. R. Spencer, Superintendent and Electrician. No. 4 Fort Wayne Jenney dynamos. In use, 45 commercial arc, 58 public street arc. 2 Buckeye engines, 2 boilers, Schieren belts, Underwriters' wire, 9 miles of street circuits. Lamps burn all night on moon schedule.

INDEPENDENCE. Citizens' Electric Light Co. Capital stock, $25,000; all paid in. Chas. Gudgell, President. Wm. A. Cunningham, Secretary. Robert Whaley, Superintendent. 2 Edison, 3 Western dynamos. Capacity of station, 100 arc, 600 inc. In use, 43 commercial arc, 4 public street arc, 650 commercial inc. 3 Westinghouse engines, 2 Erie boilers. City pays $120 per light per year for 4 arcs of 2,000 candles, burning all of every night. F 73.

JEFFERSON CITY. Jefferson City Light, Heat and Power Co. Capital stock, $100,000; all paid in. W. W. Wagner, President. Chas. E. Hess, Secretary and Superintendent. 1 Excelsior dynamo. Capacity of station, 20 arc. In use, 21 commercial arc. 1 Westinghouse engine, Shultz belts. Company furnish gas for street lighting. W G.

JOPLIN. Joplin Electric Light Co. Sold out to Southwestern Electric Light and Water Power Co. of Kansas City. 74.

KANSAS CITY. American Electric Light Co. Capital stock, $50,000; all paid in. R. Macmillian, Manager. 4 Ball, 4 American dynamos. Capacity of station, 250 arc, 800 inc. In use, 200 commercial arc, 80 public street arc, 240 commercial inc. 1 Armington & Sims, 2 New York Safety engines, 1 Economic, 2 Rohan boilers, Shultz belts, P. & B. and Simplex wire, 45 miles of street circuits. City pays $200.75 per light per year for 25 arc of 2,000 candles, burning all of every night. No contract. V F.

Edison Electric Light and Power Co. Capital stock, $100,000; paid in, $124,000. Wm. B. Grimes, President. Wm. B. Grimes, Jr., Secretary. E. R. Weeks, General Manager. G. W. Hart, Superintendent. Otto Holtz, Electrician. Annual meeting held in January. 6 Edison dynamos. Capacity of station, 5,000 inc. 3 New York Safety engines, 3 Babcock & Wilcox boilers, Munson belts, Okonite, Simplex and Grimshaw wire. W H.

Kansas City Electric Light Co. Capital stock, $300,000; paid in, $450,000. Wm. B. Grimes, President. Wm. B. Grimes, Jr., Secretary. E. R. Weeks, General Manager, C. A. Harber, Superintendent. F. L. Griffin, Electrician. Annual meeing held in January. 33 Thomson-Houston dynamos. Capacity of station, 930 arc, 1,500 inc. In use, 605 commercial arc, 100 public street arc, 1,435 commercial inc. 10 Corliss, Ide and Armington & Sims engines, 19 boilers, Munson and Shultz belts, Okonite, Simplex and Grimshaw wire, 175 miles of street circuits. City pays, $200.75 per light per year for 100 arc of 2,000 candles, burning all of every night. Y H.

Sperry Associate Electric Co. Capital stock, $30,000; all paid in. Frederick Howard, President. W. F. Sargent, Secretary. E. R. Weeks, General Manager. C. A. Harber, Superintendent. Henry New, Electrician. Annual meeting held in January. 2 Westinghouse, 2 Thomson-Houston dynamos. Capacity of station, 100 arc, 3,000 inc. In use, 1,000 commercial arc. Westinghouse and Armington & Sims engines, Babcock & Wilcox boilers, Munson belts, Roebling and Shield brand wire, 25 miles of street circuits. Ju.

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The Inter-State Electric Co. Capital stock, $150,000; paid in, $100,000. E. P. Brink, President. Alexander Simpson, Secretary. Annual meeting held in January. 1 Ft. Wayne Jenney, 1 Fisher dynamo. Capacity of station, 2,000 inc. In use, 2,000 inc. 1 Ideal high speed engine, 2 boilers, leather belts, 8 miles of circuits. This is an accumulator station. F 85.

KIRKSVILLE. Kirksville Light, Heat, Power and Water Co. Capital stock, $10,000; paid in, $8,550. John Caskey, President. C. E. Ross, Secretary and Superintendent. John Bragg, Electrician. Annual meeting held in February. 2 Ball dynamos. Capacity of station, 64 arc. In use, 47 commercial arc, 15 public street arc. Westinghouse engine, Shultz belts, Shield brand wire, 6 miles of street circuits. City pays $84 per light per year for 15 arc of 2,000 candles, burning till 12.30 A. M. every night. Contract made in January, 1890. P F.

LAMAR. Lamar Electric Light and Power Co. Capital stock, $20,000; all paid in. R. J. Jenkin, President. E. J. Smith, Secretary. H. B. Allen, Electrician. 2 Sperry dynamos. Capacity of station, 40 arc. In use, 20 commercial arc, 20 public street arc. 1 Atlas engine, 2 English, Morse & Co. boilers, P. & B. wire, 7 miles of street circuits. City pays $108 per light per year for 20 arc of 2,000 candles, burning all of every night. Contract expires in January, 1910. P F.

LIBERTY. Clay County Electric Light Co. Capital stock, $10,000; paid in, $7,500. W. F. Gordon, President. Geo. W. Corbin, Secretary. R. Able, Superintendent and Electrician. Annual meeting held in November. 1 Heisler dynamo. Capacity of station, 160 inc. In use, 150 commercial inc., 55 public street inc. 1 Ide engine, 6 miles of street circuits. City pays $16.80 per light per year for 55 inc. of 32 candles, burning every night till midnight. E Q.

LOUISIANA. Carbon Light Co. Capital stock, $25,000; all paid in. John H. Lucas, President. Wm. T. Johnson, Secretary. S. C. Schaffner, Superintendent and Electrician. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 30 arc. In use, 30 commercial arc. Westinghouse compound engine, Shultz belts, 2½ miles of street circuits. Ju.

MARYSVILLE. Sperry Electric Light Co. 75.

MEXICO. Mexico Electric Light, Heat and Power Co. Capital stock, $10,000; all paid in. J. F. Llewellyn, President and Secretary. L. M. Day, Electrician. Annual meeting held in January. 1 Westinghouse, 2 United States, 2 Schuyler dynamos. Capacity of station, 50 arc, 1,200 inc. In use, 30 commercial arc, 8 public street arc, 725 commercial inc. 4 Westinghouse engines, 2 Erie City boilers, Underwood belts, Roebling wire, 2 miles of street circuits. City pays $123.75 per light per year for 8 arc of 2,000 candles, burning all night on moon schedule. P F.

MOBERLY. Moberly Electric Light and Power Co. Paid in capital, $50,000. A. H. Waller, Secretary. H. H. Mayland, Treasurer and Superintendent. S. G. Love, Electrician. 4 United States and Weston dynamos. Capacity of station, 50 arc, 400 inc. In use, 38 commercial arc, 7 public street arc, 200 commercial inc. 2 Westinghouse engines, 2 boilers, Shultz belts, 6 miles of street circuits. City pays $150 per light per year for 7 arcs of 2,000 candles, burning all of every night. Contract made annually. S G.

NEVADA. Nevada Gas and Electric Light Co. Capital stock, $100,000. W. P. Monroe, President. Joseph Harper, Secretary and Superintendent. S. S. Prewett, Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 75 arc. In use, 42 commercial arc, 18 public street arc. 1 Armington & Sims engine and boiler, L. B. Warner belts, Roebling wire, 13 miles of street circuits. City pays $125 per light per year for 18 arc of 2,000 candles, burning all of every night. Contract made for no definite time. Ju.

RICHMOND. J. R. Hamacher & Bro. Not incorporated. Thomson-Houston dynamos.

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Capacity of station, 50 arc. In use, 41 commercial arc, 9 public street arc, 40 (series) commercial inc. Hamilton-Corliss engine, Wangler boiler, Munson belts, Underwriters' wire, 2 miles of street circuits. City pays $109 per light per year for 9 arc of 2,000 candles, burning till 11 P. M. every night. Contract expires in January, 1892. P P G.

ST. JOSEPH. Globe Electric Light and Power Co. Capital stock, $25,000; all paid in. Jas. Craig, Jr., President. A. Steinacker, Secretary. Chas. Wilson, Superintendent and Electrician. Annual meeting held in March. 2 Edison dynamos. Capacity of station, 3,000 inc. In use, 400 commercial inc. Armington & Sims engines, rent boiler power, Shultz belts, Ansonia, P. & B. and Candee wire, 25 miles of street circuits. This is virtually a power station, as light is only sold incidentally to those renting power. Ju.

City of St. Joseph, Lighting Department. W. C. Stewart, Superintendent. 8 Excelsior dynamos. Capacity of station, 240 arc. In use, 210 public street arc. 2 Williams engines, 2 Armstrong Bros. boilers, Munson belts, 10 Eclipse clutches, American wire, 56 miles of street circuits. Lamps are on towers and mast arms, and burn on moon schedule.

St. Joseph Electric Light and Power Co. Capital stock, $50,000. R. E. Turner, President. C. M. Carter, Secretary and Treasurer. W. C. Stewart, Superintendent and Electrician. Thomson-Houston system. 1 Armington & Sims engine, and 1 New York Safety engine. L F.

People's Street Railway and Electric Light and Power Co. Capital stock, $800,000. L. R. Bacon (New York), President. A. J. Moulton (New York), Secretary and Treasurer. Thomson-Houston and Westinghouse systems. Armington & Sims engines. Ju.

ST. LOUIS. Missouri Electric Light and Power Co. Capital stock, $600,000; all paid in. S. M. Dodd, President. S. B. Pike, Secretary. H. A. Wagner, Superintendent and Electrician. Annual meeting held in January. 6 Westinghouse dynamos. Capacity of station, 86,000 inc. In use, 20,000 commercial inc., 1,000 public street inc., 4,000 public building inc. 6 Westinghouse engines, 8 Babcox & Wilcox boilers, Munson and Schieren belts, Simplex wire, 250 miles of street circuits. City pays $26 per light per year for 5,000 inc. of 80 candles, burning all of every night. Contract made in February, 1889, for 10 years. Z Z H.

Laclede Gas Light Co. Capital stock, $500,000; paid in, $325,000. N. L. B. G. Allen, President. J. D. Thompson, Secretary. E. J. Bagnall, Superintendent and Electrician. 7 Brush, 20 Thomson-Houston, 7 Western and 12 Excelsior dynamos. In use, 1,200 commercial arc. This is a temporary plant. Company is erecting a building. Z Z H.

Municipal Electric Light Co. Has city contract, wood arc. 75.

SEDALIA. Electric Railway, Light and Power Co. Capital stock, $80,000; paid in, $65,000. W. E. Sterne, President. D. C. Metsker, Secretary and Superintendent. W. E. Hedly, Electrician. 5 Indianapolis Jenney dynamos. Capacity of station, 175 arc, 700 inc. In use, 38 commercial arc, 92 public street arc, 690 commercial inc. 2 125 h. p. Buckeye engines, 2 boilers, Schieren belts, P. & B. wire, 18 miles of street circuits. City pays $87 per light per year for 92 arc of 2,000 candles, burning on moon schedule. Contract expires in 1895. Ju.

Sedalia Electric Light and Power Co. Capital stock, $50,000; all paid in. James Green, President. Geo. R. Blackford, Secretary. James Montgomery, Superintendent. Mac Pope, Electrician. Annual meeting held in March. 1 Westinghouse incandescent and 4 Thomson-Houston arc dynamos. Capacity of station, 100 arc, 750 inc. In use, 80 commercial arc, 740 commercial inc. Allis-Corliss engines, 2 100 h. p. O'Brien boilers, Munson belts, Hill clutches, Simplex wire, 20 miles of street circuits. V G.

SLATER. Sperry plant, owned by John Hughes of Buffalo, N. Y. 70.

SPRINGFIELD. Springfield Electric Lighting Co. Capital stock, $100,000; all paid in.

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E. Henning (Chicago), President. J. S. Ambrose, Secretary. H. I. Fox, Superintendent and Electrician. Annual meeting held in January. 6 Van Depoele and Thomson-Houston dynamos. Capacity of station, 235 arc, 400 inc. In use, 154 commercial arc, 54 public street arc, 200 commercial inc. 2 Ide engines, 1 Heine and 2 O'Brien boilers, 35 miles of street circuits. City pays $136 per light per year for 54 arc of 2,000 candles, burning all night on moon schedule. V G.

TARKIO. Rankin Electric Light and Power Co. Capital stock, $10,000; all paid in. D. Rankin, President. W. F. Rankin, Secretary. J. M. Wolfe, Superintendent. Frank Kinney, Electrician. Annual meeting held in May. 2 Edison dynamos. Capacity of station, 470 inc. In use, 460 commercial inc., 24 public street inc. Westinghouse Junior engines, Erie boilers, Roebling wire, 2¼ miles of street circuits. City pays $18 per light per year for 24 inc. of 32 candles, burning till midnight on moon schedule. Contract expires in May, 1899. P F.

TRENTON. Trenton Gas and Electric Light Co. Capital stock, $18,000. J. N. Shanklin, President. W. W. Hubbell, Secretary. N. Shanklin, Superintendent. Not yet in operation.

TROY. Troy Electric Light Co. 75.

MONTANA.

BILLINGS. Billings Water Power Co. Capital stock, $50,000. Henry Belknap, President. H. W. Rowley, Secretary, Superintendent and Electrician. Annual meeting held in November. 2 Thomson-Houston dynamos. Capacity of station, 60 arc. In use, 45 commercial arc, 5 public street arc. 1 Beck engine, 1 Armstrong Bros. boiler, Munson belts, Underwriters' wire, 9 miles of street circuits. V G.

BOZEMAN. Bozeman Electric Light Co. Capital stock, $30,000. M. M. Black, President. W. M. Merritt, Secretary. Thomson-Houston dynamos. Capacity of station, 50 arc, 650 inc. In use, 46 commercial arc, 5 public street arc. Water power, Munson belts, K. K. wire, 10 miles of street circuits. City pays $204 per light per year for 5 arc of 1,200 candles, burning till 2 A. M. every night. 70.

BUTTE. Butte Electric Light Co. Capital stock, $30,000. W. A. Clark, President. W. L. Brotherton, Secretary. John A. Tuppe, Lessee and Manager. 104 Brush lights. 2 Westinghouse engines. X X X H.

GREAT FALLS. Great Falls Electric Light and Gas Co. Capital stock, $50,000; paid in, $40,000. Ira Myres, President. E. T. Hooker, Secretary. E. W. King, Superintendent. Chas. Wickham, Electrician. Annual meeting held in August. 2 Thomson-Houston dynamos Capacity of station, 50 arc, 650 inc. In use, 33 commercial arc, 10 public street arc, 600 commercial inc. Russell and Armington & Sims engines, Mansfield boilers, New York belts. City pays $180 per light per year for 10 arc of 1,200 candles, burning all of every night. Contract expires in May, 1891. P F.

HELENA. Citizens' Electric Light Co. Capital stock, $50,000. Wm. B. Sterling, President. H. C. Sterling, Secretary and Superintendent. G. A. Parker, Electrician. Annual meeting held in May. 4 Thomson-Houston dynamos. Capacity of station, 50 arc, 1,800 inc. In use, 20 commercial arc, 20 public street arc, 1,200 commercial inc. 3 Russell engines and boilers, Shultz belts, Hill clutches, Underwriters' wire, 10 miles of street circuits. City pays $198 per light per year for 48 arc of 1,200 candles, burning all night on moon schedule. Contract expires in January, 1891. This company furnishes 20 lamps, the Helena Electric Co. furnishing the remainder. Ju.

Helena Electric Co. Capital stock, $100,000; all paid in. H. M. Parchen, President. B. H. Tatem, Manager. Annual meeting held in April. 3 Brush arc, 2 Westinghouse inc. dynamos. Capacity of station, 120 arc, 1,500 inc. In use, 40 commercial arc, 47 public street arc, 1,350 commercial inc. 1 Corliss, 2 Westinghouse engines, 4 boilers, Hill clutches, 30 miles of street circuits. City pays $198 per light per year for 48 arc

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of 1,200 candles, burning all night on moon schedule. Contract expires in January, 1891. This company furnishes 28 lamps, the Citizens' Electric Light Co. furnishing the remainder. Ju.

LIVINGSTON. Livingston Electric Light Co. 75.

MILES CITY. Miles City Water and Electric Light Co. Capital stock, $12,000. E. R. Gilman, President. H. F. Batchelor, Secretary. B. Ullman, Superintendent. J. M. Buckner, Electrician. 2 Thomson-Houston dynamos. Capacity of station, 60 arc, 300 inc. Are running full capacity on commercial line arc. Westinghouse engines, Oil City Boiler Works boilers. P F.

MISSOULA. Missoula Electric Light and Power Co. Capital stock, $20,000; all paid in. H. M. Ogden and John A. Tupper, Proprietors. Thomas Rucks, Electrician. 3 Thomson-Houston dynamos. Capacity of station, 130 arc. In use, 109 commercial arc, 15 public street arc, 75 commercial inc. Westinghouse engines, 1 80 h. p. Phœnix boiler, Munson belts, Shield brand and P. & B. wire, 10 miles of street circuits. City pays $180 per light per year for 15 arc of 1,200 candles, burning all of every night. Contract made in 1889 for 3 years. Ju.

ROCKY FORK TOWN. Rocky Fork Town Electric Co. 75.

NEBRASKA.

ASHLAND. Ashland Mill and Electric Light Co. Capital stock, $30,000; all paid in. S. S. Fules, President. A. B. Fuller, Secretary and Superintendent. John Middleton, Electrician. Annual meeting held in January. 2 Excelsior arc, 1 Thomson-Houston inc. dynamo. Capacity of station, 30 arc, 350 inc. In use, 15 commercial arc, 12 public street arc, 300 commercial inc. Water power, Roebling wire, 5 miles of street circuits. City pays $120 per light per year for 11 arc of 2,000 candles, burning till midnight every night. Contract expires in October, 1894. P F.

BEATRICE. Beatrice Electric Light Co. Capital stock, $30,000. J. E. Smith, President. E. A. Watrous, Secretary. Wm. Pickrell, Superintendent and Electrician. Annual meeting held in January. 1 Westinghouse inc., 2 Thomson-Houston arc dynamos. Capacity of station, 50 arc, 750 inc. In use, 46 commercial arc, 13 public street arc, 750 commercial inc. Sioux City and Watertown engines and boilers, Hill and Shaw clutches, 20 miles of street circuits. City pays $180 per light per year for 13 arc of 2,000 candles, burning all of every night. P F.

BLAIR. Blair Electric Light and Power Co. Capital stock, $12,000; all paid in. F. W. Kenny, President. F. M. Casteller, Secretary. S. O. Larkin, Superintendent and Electrician. Annual meeting held in January. 1 Thomson-Houston alternating dynamo. Capacity of station, 650 inc. In use, 600 commercial inc., 30 public street inc. 1 60 h. p. Sioux City engine, 1 70 h. p. boiler, Williams belts, Standard Underground Cable Co. wire, 4 miles of street circuits. City pays $21 and $36 per light per year for 30 inc. of 32 and 50 candles, burning every night till midnight. Contract expires in October, 1890. S. G.

BLUE SPRINGS. Wymore and Blue Springs Electric Co. A. Stewart and U. S. Spencer, Proprietors. 1 Sperry dynamo. Capacity of station, 30 arc. In use, 17 commercial arc, 11 public street arc. Water power, Munson belts, Candee wire, 6 miles of street circuits. City pays 80 per light per year for 11 arc of 1,200 candles, burning every night until midnight. G 85.

COLUMBUS. Columbus Electric Light, Power and Manufacturing Co. Capital stock, $25,000; paid in, $22,000. A. Heintz, President. Gus. Fallbaum, Secretary. Chas. Schroeder, Superintendent. Annual meeting held in January. 1 United States, 2 Brush dynamos. Capacity of station, 30 arc, 800 inc. In use, 12 commercial arc, 12 public street arc, 650 commercial inc. 1 Westinghouse, 1 Atlas engine, 2 Brownell boilers, leather belts, Roebling wire, 4 miles of street circuits. City pays $100 per

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light per year for 12 arc of 1,200 candles, burning every night till midnight. Contract expires annually in May. R G.

CRETE. Plant owned by city. T. H. Miller, Mayor. Purchased in 1887 for $1,600. 17 arc of 1,200 candle power, 135 inc. of 32 candle power. Brush system, run by water power in connection with mill.

DAVID CITY. James Bell. Capital stock, $10,000. W. C. Bell, Electrician. 3 Thomson-Houston dynamos. Capacity of station, 30 arc, 300 inc. In use, 16 commercial arc, 12 public street arc, 275 commercial inc. Sioux City Corliss engines and boilers, Munson belts, Underwriters' wire, 3 miles of street circuits. City pays $100 per light per year for 12 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires in 1898. V G.

FREMONT. Fremont Gas and Electric Light Co. Capital stock, $50,000; all paid in. C. D. Jones, President. W. L. Freeman, Secretary. George Payne, Superintendent. J. Cassie, Electrician. Annual meeting held in March. 1 American arc, 1 Westinghouse inc. dynamo. Capacity of station, 35 arc, 850 inc. In use, 26 commercial arc, 10 public street arc, 400 commercial inc. 1 Armington & Sims engine, Ireson belts. City pays $110 per light per year for 10 arc of 2,000 candles, burning every night till midnight. No definite contract. V G.

GRAND ISLAND. Grand Island Light and Fuel Co. Capital stock, $180,000; paid in, $95,000. H. G. Levitt, President. H. F. Miller, Superintendent. G. F. Perin, Electrician. 1 Thomson-Houston dynamo. Capacity of station, 35 arc. In use, 30 commercial arc. 1 Ball high speed engine, 1 Erie boiler, Page belts, Underwriters' wire, 9 miles of circuits. Ju.

HASTINGS. Hastings Electric Light and Power Co. Capital stock, $50,000; paid in, $40,000. Adam Cooke, Jr., President. George B. Johnson, Secretary and Superintendent. Eugene Johnson, Electrician. Annual meeting held in June. 2 Thomson-Houston, 2 American dynamos. Capacity of station, 30 arc, 1,000 inc. In use, 30 commercial arc, 22 public arc, 800 inc. 1 Ball, 2 Westinghouse engines, 2 O'Brien boilers, 4 Hill clutches. Ju.

HOLDREGE. Holdrege Electric Works. Capital stock, $10,000; all paid in. W. F. Dobbin, Secretary. E. W. Beghtol, Superintendent. C. A. Bechtol, Electrician. 3 Brush dynamos. Capacity of station, 15 arc, 300 inc. In use, 7 commercial arc, 5 public street arc, 250 commercial inc. Russell engines. City pays $120 per light per year for 5 arc of 1,200 candles, burning every night till midnight. P G.

KEARNEY. Kearney Electric Co. Capital stock, $250,000; all paid in. George W. Frank, President. C. M. Rice, Secretary. J. F. O'Brian, Superintendent. Annual meeting held in January. 2 Thomson-Houston and 5 Edison dynamos. Capacity of station, 30 arc, 4,500 inc. In use, 16 commercial arc, 11 public street arc, 2,200 commercial inc. Use 2 Victor and 2 Hercules turbines, have 1 Corliss engine as relay, Munson belts, 6 Hill clutches, 50 miles of street circuits. City pays $163.92 per light per year for 11 arc of 1,200 candles, burning all of every night. Contract expires in July, 1892. P F.

LINCOLN. Lincoln Electric Light Co. Capital stock, $100,000; paid in, $75,000. J. J. Imhoff, President. H. W. Brown, Secretary. F. W. Farrar, Superintendent and Electrician. Annual meeting held in April. 10 Westinghouse and Excelsior dynamos. Capacity of station, 96 arc, 2,500 inc. In use, 85 commercial arc, 2,000 commercial inc. 3 350 h. p. New York Safety engines, 5 Porter boilers, Munson belts, K. K. wire, 15 miles of street circuits. V G.

McCOOK. McCook Electric Light Co. Frank Carruth & Co., Proprietors. N. Costenborder, Electrician. Edison dynamos. Capacity of station, 50 arc, 600 inc. In use, 16 commercial arc, 8 public street arc, 450 commercial inc., 90 public street inc. New York Safety and Armington & Sims engines, Frost and Pond boilers, Schieren belts,

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Roebling wire, 10 miles of street circuits. City pays $120 per light per year for 8 arc of 2,000 candles, and $12 for 90 inc. of 16 candles, burning every night till midnight. Contract expires in August, 1894. G 85.

NEBRASKA CITY. Nebraska City Water and Light Co. J. S. Kennedy, Superintendent. Annual meeting held in February. 1 Westinghouse and 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 750 inc. 1 Russell and 1 New York Safety engine, 2 Pond boilers, Munson belts, Candee and Okonite wire. Ju.

NORFOLK. Norfolk Electric Light and Power Co. Capital stock, $20,000; paid in, $17,000. T. E. Odiorne, President. C. B. Burrows, Secretary and Superintendent. L. Talley, Electrician. Annual meeting held June 1. 1 Sperry, 2 Edison dynamos. Capacity of station, 30 arc, 600 inc. In use, 15 commercial arc, 2 public street arc, 400 commercial inc., 10 public street inc. Russell engines, Munson belts, Candee wire. City pays $150 per light per year for 2 arc of 2,000 candles, and $19 and $36 for 10 inc. of 16 and 32 candles, burning till midnight every night. P P G.

NORTH PLATTE. Sperry Electric Light and Gas Co. Capital stock, $125,000; paid in, $12,500. D. W. Baker, President. Wm. B. Conklin, Secretary. Charles Gehrig, Electrician. Annual meeting held in February. 2 Sperry dynamos. Capacity of station, 40 arc. In use, 20 commercial arc. Ball engine. P P G.

OMAHA. New Omaha Thomson-Houston Electric Light Co. (Lately moved into new station.) Capital stock, $600,000; paid in, $600,000. S. L. Wiley, President. Frank Warren, Secretary, Superintendent and Electrician. Thomson-Houston dynamos. Capacity of station, 1,200 arc. In use, 120 public street arc. 2 500 h. p. Reynolds-Corliss, 2 200 h. p. Armington & Sims engines, Hazleton boilers, rope belts, Roebling and Simplex wire. City pays $175 per light per year for 120 arc of 2,000 candles, burning all of every night. Contract expires in November, 1894. W G.

Omaha Illuminating Co. Capital stock, $20,000. P. C. Himebaugh, President. Frank Warren, Secretary and Superintendent. Annual meeting 3d Wednesday in January. 6 United States dynamos. Capacity of station, 40 arc, 1,000 inc. In use, 40 commercial arc, 1,000 inc. Munson belts, K. & K. wire, 8 miles of circuits. R H.

PLATTSMOUTH. Plattsmouth Gas and Electric Light Co. Capital stock, $60,000; all paid in. J. G. Richey, President. C. D. Jones, Secretary. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 600 inc. In use, 2 commercial arc, 16 public street arc, 400 commercial inc. 2 Taylor engines and boilers. City pays $137.14 per light per year for 14 arc of 1,200 candles, burning every night till midnight. Contract expires in January, 1895. R H.

Ballou Electric Light Co. 75.

RED CLOUD. Red Cloud Electric Light Co. Capital stock, $18,000. L. P. Albright, Superintendent. Westinghouse and Western dynamos. Capacity of station, 45 arc, 650 inc. In use, 16 commercial arc, 16 public street arc, 375 commercial inc. Water power, Underwriters' wire, 8 miles of street circuits. City pays $90 per light per year for 16 arc of 2,000 candles, burning till 1 A. M. every night. Contract expires annually in April. 76.

SEWARD. Seward Electric Light and Power Co. Capital stock, $10,000; all paid in. John Cattle, President. C. W. Barkly, Secretary. G. Babson, Jr., Superintendent and Electrician. Annual meeting held in January. National and Westinghouse dynamos. Capacity of station, 1,350 inc. In use, 600 commercial inc., 50 public street inc. 2 Westinghouse engines, 2 Brownell boilers, Munson belts, Callender and Underwriters' wire, 1 mile of street circuits. City pays 18 per light per year for 50 inc. of 25 candles, burning every night till midnight. P F.

SOUTH OMAHA. South Omaha Electric Light, Heat and Power Co. Capital stock, $25,000; paid in, $23,400. C. M. Hunt, Vice-President. J. A. Doe, Secretary and Superintendent. J. T. Smith, Electrician. Annual meeting held in January. 4

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Westinghouse and Waterhouse dynamos. Capacity of station, 75 arc, 750 inc. In use, 50 commercial arc, 13 public street arc, 590 commercial inc. Ball and Westinghouse engines, 2 boilers, Standard Underground Cable Co. wire, 15 miles of street circuits. City pays $192 per light per year for 13 arc of 2,000 candles, burning all night on moon schedule. Contract expires in November, 1900. N F.

WAHOO. Wahoo Electric Light Co. Capital stock, $12,000; all paid in. W. H. Dickinson, Proprietor. Andrew Olson, Electrician. 1 Thomson-Houston dynamo. Capacity of station, 400 inc. In use, 300 commercial inc., 53 public street inc. Westinghouse engine, Erie boiler, Chicago belts, Underwriters' wire, 4 miles of street circuits. City pays $18 per light per year for 53 inc. of 16 candles, burning every night till midnight. Contract expires in February, 1892. S G.

WEEPING WATER. J. P. Smith. 77.

WEST POINT. West Point Electric Light and Power Co. Capital stock, $25,000; paid in, $10,500. J. C. Crawford, President. W. E. Krause, Secretary. B. Y. Yoder, Superintendent. Andrew Scheely, Electrician. Annual meeting held in December. 2 Edison dynamos. Capacity of station, 650 inc. In use, 400 commercial inc., 16 public street inc. Westinghouse engine and boilers, Munson belts, Roebling wire, 3 miles of street circuits. City pays $12 per light per year for 16 inc. of 16 and 32 candles, burning every night till midnight. Contract expires annually in August. P P G.

YORK. York Gas and Electric Light Co. Capital stock, $8,000. D. E. Sedgwick, President. Geo. R. Reed, Secretary and Superintendent. Harry Miller, Electrician. Annual meeting, 2d Tuesday in December. 2 American, 1 Mather dynamo. Capacity of station, 25 arc, 300 inc. In use, 25 arc, 298 inc. 1 Ball high speed engine, 1 boiler, Munson belts, Underwriters' wire, 3 miles of circuits. P F.

NEVADA.

CARSON CITY. Carson City Coal Gas Co. S S H 85.
Carson Electric Light Co. See Addenda.

RENO. Reno Electric Light and Power Co. Capital stock, $100,000; paid in, $25,000. Henry Ruhe, President. W. G. Caffrey, Secretary, Superintendent and Electrician. Annual meeting held April 30. 3 Thomson-Houston dynamos. Capacity of station, 95 arc, 600 inc. In use, 95 commercial arc, 8 public street arc, 350 commercial inc. Armington & Sims and Valley engines, Atlas boilers, American link leather belts, Roebling wire. G 85.

VIRGINIA CITY. Virginia City and Gold Hill Electric Light Co. See Addenda.

NEW HAMPSHIRE.

ASHLAND. Ashland Electric Light Co. Capital stock, $6,000; paid in, $2,400. Hiram Hodgden, President. W. P. Morris, Superintendent. Annual meeting held in February. 2 Westinghouse dynamos. Capacity of station, 500 inc. In use, 50 public street inc. Use water power, 2 miles of street circuits. City pays $50 per light per year for 50 inc. of 25 candles, burning from dusk to 12.30 P. M. Contract expires in September, 1894. Ju.

BERLIN FALLS. Berlin Falls Electric Light Co. 75.

BRISTOL. Bristol Electric Light Co. 75.

CLAREMONT. Claremont Electric Light Co. Capital stock, $12,000; all paid in. G. A. Colby, President. J. L. Farwell, Jr., Secretary. F. P. Maynud, Superintendent. Burt Thrasher, Electrician. Annual meeting held in March. 2 Edison dynamos. Capacity of station, 450 inc. In use, 450 commercial inc., 45 public street inc. City pays $12 and $25 per light per year for 45 inc. of 24 and 50 candles, burning every night till midnight. P G.

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CONCORD. Concord Gas Light Co. Capital stock, $125,000; all paid in. John Kimball, President. Edgar H. Woodman, Treasurer. W. A. Richmond, Superintendent and Electrician. Annual meeting held in September. 4 Thomson-Houston dynamos. Capacity of station, 215 arc. In use, 128 commercial arc, 47 public street arc. 2 Stevens engines, 2 Allen boilers, Page belts, Grimshaw wire. City pays $100 per light per year for 47 arc of 1,200 candles, burning every night till midnight. Contract expires July 1, 1892. W W H.

DOVER. Consolidated Light and Power Co. H. W. Burgett, Treasurer. A. D. Richmond, Superintendent. Thomson-Houston system. Capacity of station, 800 arc. 1 Armington & Sims, 1 McIntosh & Seymour engines, Holmes turbine. G 85.

KEENE. Keene Gas Light Co. Capital stock, $12,000; all paid in. J. H. Elliott, President. G. M. Rossman, Secretary and Superintendent. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 57 arc. In use, 20 commercial arc, 37 public street arc. 1 50 h. p. Fitchburg engine, 1 60 h. p. boiler, Page belts, 8 miles of street circuits. City pays $100 per light per year for 35 arc of 2,000 candles, burning on moon schedule till 11.30 P. M. Contract expires in 1890. S G.

LACONIA. Winnepesaukee Gas and Electric Light Co. Is merely an organization, holding no real or personal property. Authorized capital stock, $50,000. Have not yet decided whether a plant will be erected.

Laconia Electric Lighting Co. F. Champlin, Secretary. Robert G. Reilly, Superintendent and Electrician. Annual meeting May 15th. 4 Excelsior, 2 Edison dynamos. Capacity of station, 68 arc, 1,200 inc. In use, 24 commercial arc, 658 inc. Fitchburg engine, high speed, and water wheel, Harrison boiler, Underwood belts, Underwriters' and Cowles wire, 4½ miles of circuits. 79.

LITTLETON. Littleton Electric Light Co. Capital stock, $75,000. B. H. Corning, President. C. B. Ludwig, Secretary. James E. Richardson, Superintendent and Electrician. Annual meeting held in August. 1 Westinghouse dynamo. Capacity of station, 650 inc. In use, 650 commercial inc., 72 public street inc. Ansonia wire, 10 miles of street circuits. City pays $9 per light per year for 72 inc. of 16 candles, burning till midnight on moon schedule. Contract expires in 1897. Ju.

MANCHESTER. Ben Franklin Electric Co. Capital stock, $10,000; all paid in. Jno. B. Varick, President. Walter G. Africa, Secretary and Superintendent. 2 Thomson-Houston dynamos. Capacity of station, 60 arc. 1 Armington & Sims engine, 2 boilers, J. Stickney, belts, K. K. wire, 12 miles of street circuits. Ju.

Manchester Electric Light Co. Capital stock, $80,000; all paid in. A. Elliott, President. Walter G. Africa, Treasurer. 6 Thomson-Houston, 3 United States danamos. Capacity of station, 300 arc, 250 inc. In use, 50 commercial arc, 250 public street arc, 400 commercial inc. 2 Armington & Sims, 3 Buckeye engines, 2 Whittier, 2 Manchester boilers, Stickney belts, K. K. and Simplex wire, 60 miles of street circuits. City pays 39 and 43 cents per light per night for 250 arc of 2,000 candles, burning all of every night. V G.

NASHUA. Nashua Light, Heat and Power Co. Capital stock, $200,000. F. W. Estabrook, President. J. A Tolles, Secretary. G. L. Sadler, Superintendent and electrician. Annual meeting held in July. 8 Thomson-Houston dynamos. Capacity of station, 300 arc, 1,000 inc. In use, 100 commercial arc, 150 public street arc, 900 commercial inc. 2 Armington & Sims engines, 3 Jarvis boilers, Schieren belts, 2 Hill clutches, Simplex wire, 40 miles of street circuits. City pays $84 per light per year for 150 arc of 1,200 candles, and for 20 inc. of 32 candles, burning every night till midnight. Contract expires in July, 1893. V G.

PORTSMOUTH. Portsmouth Gas Light Co. Capital stock, $142,000. John Lisc, President. Frank J. Philbrick, Secretary and Treasurer. Thomas F. Flanagan, Superintendent. Howard P. Newmarch, Electrician. Annual meeting held in February. 6

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Thomson-Houston dynamos. Capacity of station, 120 arc, 1,500 inc. In use, 50 commercial arc, 60 public street arc, 1,100 commercial inc. 1 Ball and 2 Armington & Sims engines, 3 Swamscott boilers, Schieren belts, Ansonia and Okonite wire, 19 miles of street circuits. City pays $100 per light per year for 60 arc of 1,200 candles, burning till 1 A. M. every night. Contract expires in January, 1891. V G.

Portsmouth Electric Light Co. Capital stock, $150,000. John Lise, President. Frank Philbrick, Secretary. Fred S. Palmer, Superintendent and Electrician. Annual meeting second Tuesday in February. 5 Thomson-Houston dynamos. Capacity of station, 100 arc, 1,500 inc., 35 commercial arc. In use, 900 inc. 2 Armington & Sims and 1 Ball high speed engine, 2 Portsmouth boilers, Ireson and Schieren belts, 25 miles of circuits. Ju.

TILTON. Tilton Electric Co. Capital stock, $7,000; all paid in. John J. Pillsbury, President. C. C. Rogers, Secretary. Charles Dow, Electrician. 3 Whitney dynamos. Capacity of station, 25 arc, 500 inc. In use, 19 commercial arc, 10 public street arc, 500 commercial inc. Water power, 5 miles of street circuits. City pays $75 per light per year for 10 arc of 2,000 candles, burning every night till midnight. Contract expires annually in March. M M G.

WINCHESTER. Electric Light Co.'s plant not yet in operation.

NEW JERSEY.

ASBURY PARK. Asbury Park Electric Light and Power Co. Capital stock, $60,000; all paid in. Myron S. Gould, President. Geo. M. Lane, Secretary and Superintendent. Annual meeting held in April. 1 Westinghouse and 4 American dynamos. Capacity of station, 210 arc, 500 inc. In use, 38 to 160 commercial arc, 40 public street arc, 260 to 500 commercial inc. 1 Armington & Sims and 2 New York Safety engines, 4 Lyons & McCabe boilers, Shultz belts, K. K. wire, 35 miles of street circuits. City pays $100 per light per year for 40 arc of 2,000 candles, burning every night till midnight. Contract made in June, 1889, for no definite period. Company's business is largely increased during the summer season. 80.

ATLANTIC CITY. Electric Light Co. of Atlantic City. Capital stock, $70,000; paid in, $63,700. Geo. F. Currie, President. L. A. Down, Secretary. Dahl Albertson, Superintendent and Electrician. Edison dynamos. Capacity of station, 200 arc, 3,000 inc. In use, 100 commercial arc, 100 public street arc, 1,100 commercial inc. 1 Ball and 3 Armington & Sims engines, 1 Dougherty & Freley and 3 Souders Bros. boilers, Schieren belts, K. K. and Grimshaw wire, 6 miles of street circuits. City pays 39 and 50 cents per light per night for 46 arc of 1,600 candles yearly, and 54 cents extra for the summer months, burning all of every night. Contract expires annually in June. Ju.

Atlantic City Gas and Water Co. Capital stock, $200,000; paid in, $200,000. Joseph A. Barstow, President. Dr. Thos. K. Reed, Secretary. Annual meeting May 18. 4 Thomson-Houston dynamos. Capacity of station, 200 arc. In use, 150 commercial arc. 2 Taylor low speed engines, 3 Taylor boilers, Alexander belts, Moore wire, 6 miles of circuits. W H.

BALDWINSVILLE. Edison Electric Light Co. 75.

BELVIDERE. Belvidere Gas and Electric Light Co. Schuyler system. 75.

BRIDGETON. Bridgeton Electric Light Co. Capital stock, $30,000; all paid in. C. O. Baird, President. Samuel F. Githens, Secretary. Edwin D. Mullin, General Manager. William A. Logue, Superintendent. Annual meeting May 10th. 2 Thomson-Houston dynamos. Capacity of station, 76 arc, 1,200 inc. In use, 21 commercial arc. 1 Ball high speed engine and boiler, Schieren belts, K. & K. wire, 10 miles of street circuits. R F.

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CAMDEN. Camden Lighting and Heating Co. Capital stock, $200,000; all paid in. E. Ambler Armstrong, President. John J. Burleigh, Secretary. Heber C. Robinson, Superintendent and Electrician. Annual meeting held in November. 10 Thomson-Houston dynamos. Capacity of station, 600 arc, 1,300 inc. In use, 73 commercial arc, 204 public street arc, 1,840 commercial inc., 40 public street inc. 1 Buckeye and 2 Armington & Sims engines, 7 boilers, Alexander Bros. belts, Hill clutches, Roebling wire, 64 miles of street circuits. City pays $146 per light per year for 204 arc of 2,000 candles, and for 40 inc. of 25 candles, burning all of every night. Contract expires annually in July. W W G.

CAPE MAY. United States Electric Light Co. United States system. 75.

CAPE MAY CITY. Franklin Electric Light Co. Capital stock, $50,000. F. J. Meloin, President. J. M. E. Hildreth, Secretary. James E. Taylor, Superintendent. James Treas, Electrician. Annual meeting in May. 2 Schuyler dynamos. Capacity of station, 100 arc. In use, 50 commercial arc. 1 Russell high speed engine, 1 Erie boiler, 12 miles of circuits. Ju.

CLINTON. Clinton Electric Light and Power Co. Capital stock, $20,000. H. F. Thiskell, President. C. H. Modilie, Secretary and Treasurer. 1 Thomson-Houston dynamo. Capacity of station, 400 inc. In use, 500 commercial inc. Water power, K. K. wire, 2 miles of street circuits. Will furnish 35 public street inc., controlled by Thomson-Houston Electric Co.

DOVER. Dover Electric Light Co. Capital stock, $20,000; all paid in. Robert F. Oram, President. David Young, Secretary and Superintendent. Annual meeting held in April. 3 Edison dynamos. Capacity of station, 800 inc. In use, 700 commercial inc., 96 public street inc. 2 Phœnix engines and boilers, Schieren belts, Edison wire, 7 miles of street circuits. City pays $21 per light per year for 96 inc. of 25 candles, burning all of every night. Contract expires January 10, 1899. P P G.

ELIZABETH. Elizabeth Schuyler Electric Co. Capital stock, $100,000; all paid in. Henry Hayes (Newark), President. F. W. Ward, Secretary. Fred H. Tideman, Superintendent and Electrician. 2 Schuyler and 2 Westinghouse dynamos. Capacity of station, 90 arc, 1,300 inc. In use, 65 commercial arc, 900 inc. 2 Westinghouse and 1 New York Safety high speed engine, 2 Bigelow boilers, Underwood & Schieren belts, American Electrical Works wire, 10 miles of street circuits. W F.

FREEHOLD. Freehold Electric Light Co. Capital stock, $12,000; paid in $9,500. Charles A. Bennett, President. Charles A. Bennett, Jr., Secretary and Superintendent. Annual meeting held in July. 2 Edison dynamos. Capacity of station, 450 inc In use, 350 commercial inc. 1 New York Safety engine, 1 Phœnix boiler, Shultz belts, Habershaw wire, 2 miles of street circuits. M F.

GLOUCESTER. Gloucester City Electric Light Co. American system. 75.

HACKETTSTOWN. The Hackettstown Electric Light Co. Capital stock, $5,000; paid in, $3,500. Wm. M. Everett, President. D. M. Cook, Secretary. John Karr, Superintendent. E. Ward, Electrician. Annual meeting held in April. 1 Heisler dynamo. Capacity of station, 160 inc. In use, 160 commercial inc. 1 Rupel high speed engine, 1 Birch boiler, K. & K. wire, 8 miles of circuits. M F.

HOBOKEN. Hudson Electric Light Co. Capital stock, $100,000. Charles O. Baird, President. Edwin D. Mullen, General Manager. A. K. Bonta, Electrician. Thomson-Houston system. See Addenda.

JERSEY CITY. Jersey City Electric Light Co. Capital stock, $250,000. I. J. Stouble, President. G. B. Wilson, Secretary. W. W. Titzell, Superintendent and Electrician. Ball, American, and Ft. Wayne Jenney dynamos. Capacity of station, 600 arc, 6,000 inc. In use, 470 commercial arc, 113 public street arc, 3,700 commercial inc. 3 Buckeye engines, Scheiren belts, Hill clutches, Grimshaw wire, 56 miles of street circuits. City pays 33 cents per light per night for 113 arc of 2,000 candles, burning on moon schedule. Contract expires annually in November. Y G.

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LONG BRANCH. Long Branch Electric Light Co. Capital stock, $50,000; all paid in. H. E. Gawtry, President. C. Henry Erwin, Secretary. Alexander Anderson, Superintendent and Electrician. Annual meeting held in June. 5 Thomson-Houston dynamos. Capacity of station, 200 arc, 600 inc. In use, 40 public street arc. 3 Armington & Sims engines, 4 Phœnix boilers, 15 miles of street circuits. City pays $100 per light per year for 40 arc of 2,000 candles, burning 7 hours per night. Contract expires in 1900. V H.

MILLVILLE. Millville Schuyler Electric Light Co. Capital stock, $40,000; paid in, $29,000. H. S. Foster, Lessee. Annual meeting January 2d. 2 Schuyler dynamos. Capacity of station, 100 arc. In use, 40 commercial arc, 18 inc. 1 Ball engine, 1 Erie boiler, Ireson belts, Moore wire, 13 miles of circuits. Ju.

MOORESTOWN. Moorestown Electric Light, Heat and Power Co. Capital stock, $50,000; paid in $30,000. E. W. Perkins, President. J. S. Rogers, Secretary. F. L. Flinn, Superintendent and Electrician. Annual meeting held in May. 2 Thomson Houston alternating dynamos. Capacity of station, 1,000 inc. In use, 900 commercial inc., 101 public street inc. 2 Westinghouse engines, Roebling wire, 12 miles of street circuits. City pays $15 per light per year for 101 inc. of 25 candles, burning all night on moon schedule. Contract expires annually in January. S G.

MORRISTOWN. Morristown Electric Light, Heat and Power Co. Geo. E. Voohees, Jr., President. J. E. Brown, Secretary. A. S. Brown, Superintendent and Electrician. Annual meeting held in October. 2 Thomson-Houston, 2 Westinghouse dynamos. Capacity of station, 75 arc, 1,500 inc. In use, 30 commercial arc, 14 public street arc, 1,400 commercial inc., 11 public street inc. 3 Westinghouse engines, 2 boilers, 1 Hunter clutch. City pays $120 per light per year for 14 arc of 1,200 candles, and for 11 inc. of 25 candles, burning all of every night. S S H.

MOUNT HOLLY. Mount Holly Electric Light and Power Co. Capital stock, $15,000; paid in, $12,000. Amos Gibbs, President. J. L. Jamison, Secretary. C. H. Page, Superintendent and Electrician. Annual meeting held in September. 4 Edison dynamos. Capacity of station, 1,050 inc. In use, 850 commercial inc., 150 public street inc. 2 Armington & Sims engines, 1 Phœnix boiler, Underwood belts, Edison wire, 16 miles of street circuits. City pays $18 per light per year for 165 inc. of 20 candles, burning all of every night. Contract expires in April, 1891. P F.

NEWARK. Thomson-Houston Electric Co. Capital stock, $100,000. Frederick S. Fish, President. Frederick B. Young, Secretary. Charles M. Allen, Superintendent and Electrician. Annual meeting held in June. 4 Thomson-Houston dynamos. Capacity of station, 200 arc. In use, 100 commercial arc, 67 public street arc. Armington & Sims engines, Hewes & Phillips boilers, Schieren belts, K. K. wire, 10 miles of street circuits. City pays $146 per light per year for 67 arc of 2,000 candles, burning on an average 11 hours every night. Contract expires in 1893. W F.

Newark Electric Light and Power Co. Capital stock, $500,000; paid in, $400,000. John D. Harrison, President. Samuel S. Dennis, Secretary. Philip N. Jackson, Treasurer and Manager. John J. Gaffney, Superintendent and Electrician. Annual meeting held in February. 50 Westinghouse and United States dynamos. Capacity of station, 500 arc, 5,000 inc. In use, 247 commercial arc, 250 public street arc, 4,600 commercial inc., 160 public street inc. 3 Watts-Campbell engines, 10 Hewes & Phillips boilers, Weir belts, 30 miles of street circuits. City pays $146 per light per year for 250 arc of 2,000 candles, and ——— for 160 inc. of 16 candles, burning all of every night. Contract expires in November, 1893. G 85.

Newark Schuyler Electric Light Co. Capital stock, $200,000; paid in, $100,000. G. Krueger, President. Philip N. Jackson, Secretary and Treasurer. John J. Gaffney, Superintendent and Electrician. Annual meeting held in February. 11 Schuyler, Waterhouse, Brush, Ball and Easton dynamos. Capacity of station, 350 arc. In use,

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280 commercial arc, 72 public street arc. 3 Ball engines, 1 Hazleton, 2 Lyons boilers, leather belts, 11 miles of street circuits. City pays $146 per light per year for 72 arc of 2,000 candles, burning all of every night. Contract expires in November, 1893. Company is owned and controlled by the Newark Electric Light and Power Co.

NEW BRUNSWICK. Edison Electric Illuminating and Power Co. Capital stock, $75,000; paid in, $40,000. C. J. Carpender, President. Prof. F. A. Wilber, Secretary. C. F. Delks, Superintendent. Annual meeting held in November. 1 American, 7 Edison dynamos. Capacity of station, 50 arc, 4,800 inc. In use, 17 commercial arc, 5,500 commercial inc. 1 New York Safety, 2 Weatherill Corliss engines, 1 Keeler, 3 Weatherill boilers, Fayerweather & Ladew belts, 2 Weatherill clutches, K. K. wire, 8 miles of street circuits. P P G.

OCEAN GROVE. Ocean Grove Electric Light Co. Capital stock owned by the Ocean Grove Association. Rev. E. H. Stokes, President. George W. Evans, Secretary. Charles J. Beegle, Electrician. Heisler system. 1 Corliss engine. 75.

ORANGE. Essex County Electric Co. Capital stock, $125,000; paid in, $118,600. Edward E. Sage, President. Charles A. Lindsley, Secretary. Walter Haston, Superintendent. C. H. Clarke, Electrician. Annual meeting held in January. 7 Excelsior, 3 Heisler dynamos Capacity of station, 270 arc, 875 inc. In use, 12 commercial arc, 258 public street arc, 600 commercial inc. 4 Ball engines, 1 Moran, 1 Hazleton boiler. City pays $97 per light per year for 258 arc of 1,200 candles, burning all of every night. Orange has 214 lamps, West Orange has 44. W G.

PASSAIC. Passaic Electric Light Co. Capital stock, $15,000. D. W. Mahoney, Secretary and General Manager. Joseph Whitehead, Superintendent and Electrician. 1 Excelsior dynamo. Capacity, 35 arc. 75.

Passaic Electric Light, Heat and Power Co. Capital stock, $70,000. W. R. Brown, President. G. M. Rollins, Treasurer. C. A. Stelling, Secretary and Manager. 1 Thomson-Houston, 2 Westinghouse dynamos. Capacity of station, 50 arc, 1,500 inc. 1 Westinghouse, 1 Armington & Sims engine. P F.

PATERSON. Paterson Electric Light Co. Capital stock, $300,000; paid in, $200,000. Eugene Stevenson, President. John F. Noonan, Secretary. E. S. Breed, Superintendent and Electrician. Annual meeting held in May. 18 Thomson-Houston dynamos. Capacity of station, 400 arc and 5,000 inc. In use, 100 commercial arc. 4,000 inc., and 225 public arc. 6 Ball and 1 Watts-Campbell-Corliss engine, 5 Smith and 3 Erie boilers, various belts, various wires. Consolidated with Edison Illuminating Co. Capital stock, $750,000. W. T. Pyle, President. Charles Hewitt, General Manager. American and Edison systems. Y H.

Edison Electric Illuminating Co. Capital stock, $400,000. William T. Ryle, President. William M. Brock, Secretary and Superintendent. Annual meeting held in January. 8 Edison dynamos. Capacity of station, 100 arc, 6,500 inc. In use, 80 commercial arc, 5,500 commercial inc. 1 Buckeye, 1 New York Safety and 3 Ball engines, 2 Babcock & Wilcox boilers, link belts. Ju.

PERTH AMBOY. Raritan Electric Light and Power Co. Capital stock, $75,000; all paid in. F. B. Forster, President. J. M. Savage, Secretary. W. C. Bryant, Superintendent and Electrician. Annual meeting held in September. 4 American dynamos. Capacity of station, 185 arc, 600 inc. In use, 31 commercial arc, 61 public street arc. 1 Ide engine, Hugh & Phillips boiler, Schieren belts, K. K. wire, 10 miles of street circuits. City pays $109.50 per light per year for 61 arc of 2,000 candles, burning till 1.30 A. M. every night. Contract expires in March, 1891. 81.

PLAINFIELD. The Plainfield Electric Light Co. W. H. Moore, Manager. 3 Westinghouse dynamos. Capacity of station, 5,000 inc. 3 Westinghouse high speed engines, 4 Bigelow boilers, Underwood belts, various wires. 75.

RAHWAY. Union Electric Light and Mfg. Co. Capital stock, $100,000. Ezra A. Carmon, President. Wm. Carmon, Secretary. Tesla system. 75.

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ROSELLE. Edison Electric Illuminating Co. Capital stock, $24,000; all paid in. Plant is owned by the parent Edison Co., J. W. Scroeder, Lessee. C. M. Brooks, Electrician. 4 Edison dynamos. Capacity of station, 1,600 inc. In use, 1,800 commercial inc., 250 public street inc. 4 Armington & Sims engines, cotton leather belts. City pays $6 per light per year for 250 inc. of 10 candles, burning on moon schedule till 1.45 A. M. Contract expires annually. Ju.

RUTHERFORD. Rutherford Boiling Springs and Carlstadt Electric Co. Capital stock, $30,000. Charles Burrows, President. George P. Rice, Secretary and Superintendent. Burt Buyer, Electrician. Annual meeting held in October. 1 Westinghouse dynamo. Capacity of station, 750 inc. In use, 525 commercial inc., 100 public street inc. 1 Westinghouse engine and boiler, leather belts, 10 miles of street circuits. City pays $14 per light per year for 100 inc. of 25 candles, burning all of every night. Contract expires in September, 1894. Ju.

SALEM. Salem Electric Light, Heat and Power Co. Capital stock, $32,000; paid in, $25,000. John M. Carpenter, President. Wm. T. Hilliard, Secretary and Treasurer. Alvin O. Foss, Electrician. 32 arc Waterhouse, 900 inc. Westinghouse, Westinghouse engine. R R G.

SOMERVILLE. Somerville and Raritan Electric Light and Power Co. Capital stock, $50,000; paid in, $30,000. Joseph W. Ballantine, President. Samuel P. Major, Secretary. A. H. Burnett, Superintendent. Annual meeting held in November. 2 Thomson-Houston dynamos. Capacity of station, 1,200 inc. In use, 900 commercial inc , 50 public street inc. 2 Ball engines, 2 boilers, K. K. wire, 10 miles of street circuits. City pays $18 per light per year for 50 inc. of 25 candles, burning all of every night. S G.

SOUTH AMBOY. The Edison Electric Light and Power Co. of South Amboy, N. J. Capital stock, $10,000. W. H. Barrett, Secretary and Treasurer. E. M. Barrett, Superintendent and Electrician. 1 Edison dynamo. Capacity 300 lights. 82.

TRENTON. People's Electric Light Co. Capital stock, $100,000; all paid in. James Moses, President. Alexander C. Lord, Secretary. J. T. Ridgway, General Manager. Pane Lüpke, Electrician. Annual meeting held in January. Brush and Westinghouse dynamos. Capacity of station, 280 arc, 4,500 inc. In use, 83 commercial arc, 168 public street arc, 3,500 commercial inc. 4 Buckeye, 5 Westinghouse engines, 8 John E. Trapp boilers, Brooks and Schieren belts, Roebling wire, 50 miles of street circuits. City pays 38 cents per light per night for 168 arc of 2,000 candles, burning all of every night. Contract expires in 1893. W H.

UNION. Union Heisler Electric Light Co. Owned by the Complete Electric Construction Co., New York. See Addenda.

WOODBURY. Consumers' Gas Co. M. W. Newton, President. Geo. H. Barker, Secretary. Geo. W. Curtis, Superintendent and Electrician. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 45 arc. In use, 3 commercial arc, 43 public street arc. 1 Armington & Sims engine, 1 60 h. p. steel boiler, 8 miles of street circuits. City pays $85 per light per year for 43 arc of 1,200 candles, burning on moon schedule. Ju.

NEW MEXICO.

ALBUQUERQUE. The Electric Light Co. Capital stock, $10,000; paid in, $3,500. A. A. Grant, President. B. F. Davis, Secretary and Superintendent. W. S. Hunt, Electrician. Annual meeting held in April. 2 Brush dynamos. Capacity of station, 77 arc. In use, 52 commercial arc, 9 public street arc. 1 Frazier & Chalmers engine and boiler, Shultz belts, Underwriters' wire, 3 miles of street circuits. City pays $199 per light per year for 9 arc of 2,000 candles, burning till 1 A. M. 25 nights per month. Contract expires in July, 1891. 83.

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LAS VEGAS. Las Vegas Gas and Coke Co. have contracted with the Westinghouse Co. for both arc and inc. lights, and will have the plant in operation by July 1st. S S H.

RATON. The Electric Light Co. Capital stock, $10,000; paid in, $5,000. Russell Marcy, President. Chas. A. Fox, Secretary and Superintendent. A. C. Mason, Electrician. Annual meeting held in December. 2 Edison dynamos. Capacity of station, 1,000 inc. In use, 360 commercial inc., 10 public street inc. 1 Westinghouse engine, 1 60 h. p. boiler, 1 mile of street circuits. Ju.

NEW YORK.

ALBANY. Albany Electric Illuminating Co. Capital stock, $255,000; all paid in. Walter F. Hurcomb, President. Edward A. Mohar, Secretary and Superintendent. Annual meeting held in December. 20 Brush and Westinghouse dynamos. Capacity of station, 650 arc, 1,300 inc. In use, 150 commercial arc, 481 public street arc, 1,200 commercial inc. 2 Westinghouse, 5 Harris-Corliss engines, 7 Shevlin boilers, Troy belts. City pays $182.50 per light per year for 481 arc of 2,000 candles, burning all of every night. Contract expires in June, 1891. Y Y G.

The Edison Light and Power Co. Capital stock, $60,000; all paid in. Dudley Farlin, President. James E. Noble, Secretary. W. K. Harcourt, Superintendent and Electrician. Annual meeting held in January. Edison dynamos. Capacity of station, 2,500 inc. In use, 1,400 commercial inc. 1 New York Safety, 2 Ball engines, 3 Ball boilers, Troy Belting and Supply Co. belts, Edison wire, 10 miles of street circuits. Ju.

ALBION. Albion Electric Light Co. Wm. G. Swan, President. Geo. W. Barrell, Secretary. J. Herbert Rollins, Superintendent and Electrician. Westinghouse dynamos. Capacity of station, 60 arc, 500 inc. In use, 13 commercial arc, 39 public street arc, 450 commercial inc. 2 Westinghouse engines, Babcock & Wilcox boilers, Buffalo belts, 12 miles of street circuits. City pays $55 per light per year for 39 arc of 2,000 candles, burning till 1 A. M. on moon schedule. Contract expires in July, 1894. R G.

ALEXANDRIA BAY. H. H. Mills Co. Capital stock, $15,000. W. D. Morrison, President. H. D. Peck, Secretary. H. H. Mills, Superintendent. F. M. Galloway, Electrician. Annual meeting held in May. 1 American dynamo. Capacity of station, 50 arc. In use, 21 commercial arc, 7 public street arc, 24 commercial inc. 1 Watertown engine and boiler, Ireson belts, Okonite and Underwriters' wire, 2 miles of street circuits. Plant is operated from the 24th of June till the 20th of September each year. Is owned by the H. H. Mills Construction Co., of Carthage. Company receives $125 per light for 7 street lamps of 2,000 c. p., burning 70 nights from dark till midnight. Ju.

AMSTERDAM. Edison Electric Light and Power Co. 75.

ATTICA. Attica Electric Co. 84.

AUBURN. Auburn Electric Light Co. Capital stock, $100,000; all paid in. Edward W. Wilson, President. Byron C. Smith, Secretary. J. F. McAviney, Superintendent and Electrician. Annual meeting held in January. 2 Brush, 9 Thomson-Houston dynamos. Capacity of station, 325 arc, 3,000 inc. In use, 55 commercial arc, 126 public street arc, 1,500 commercial inc. 1 Ball, 1 Armington & Sims, 3 McIntosh & Seymour engines, Porter and Hazleton boilers, Underwood, Schieren and Jewell belts, Simplex, Clark & K. K. wire, 30 miles of street circuits. City pays $87.50 per light per year for 126 arc of 2,000 candles, burning all of every night. Contract expires July 1, 1892. W H.

BABYLON. Babylon Electric Light Co. Capital stock, $10,000; all paid in. L. H. Fishel, President. W. C. Abbott, Secretary. B. B. Wood, Superintendent and Electrician. Annual meeting held in September. 2 Thomson-Houston dynamos. Capac-

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ity of station, 60 arc. In use, 35 commercial arc, 16 public street arc. 1 Armington & Sims engine, 1 Hampson boiler, Schieren belts, 3 miles of street circuits. Company furnishes 16 arc of 1,200 candles, burning till midnight, as a public contribution. Ju.

BALLSTON SPA. Ballston Electric Light and Power Co. Capital stock, $10,000; all paid in. H. S. Marcy, President. H. H. Westcot, Secretary. John Kelley, Electrician. Annual meeting held in January. 1 Westinghouse dynamo. Capacity of station, 50 inc. In use, 750 commercial inc., 165 public street inc. 1 Ball engine, Schieren belts, Roebling wire, 19 miles of street circuits. City pays $15 per light per year for 165 inc. of 25 candles, burning 18 nights per month till 1.30 A. M. Contract expires in November, 1894. P G 86.

BATAVIA. Consolidated Gas and Electric Co. Capital stock, $100,000. S. D. Purdy, President. H. Craft, Vice-President. C. H. Caldwell, Secretary. A. Wynass, Jr., Superintendent. H. E. Smith, Electrician. Annual meeting held in January. 1 Brush, 2 Waterhouse, 2 Jenney and 2 Westinghouse alternating dynamos. Capacity of station, 160 arc, 1,250 inc. In use, 40 commercial arc, 65 public street arc, 1,000 commercial inc. 1 Ball, 2 Rice engines, Noye boilers, P. & B. and Shield brand wire, 17 miles of street circuits. City pays $40 per light per year for 65 arc of 2,000 candles, burning all night and till midnight on moon schedule. Contract expires in August, 1893. Ju.

BAY SHORE. Bay Shore Electric Light Co. Capital stock, $20,000; paid in, $9,300. Spencer Aldrich, President. C. W. Vait, Secretary and Superintendent. Wm. Watson, Electrician. Annual meeting held in December. 1 Thomson-Houston, 2 Edison dynamos. Capacity of station, 30 arc, 650 inc. In use, 18 public street arc (no contract), 140 commercial inc. 2 New York Safety engines and boilers, Schieren belts, Edison and Roebling wire, 5 miles of street circuits. Ju.

BINGHAMTON. Binghamton Gas and Electric Co. Capital stock, $300,000; all paid in. J. W. Manier, President. John Anderson, Secretary. W. G. Phelps, Treasurer and General Manager. W. H. Packer, Electrician. Annual meeting held in July. 4 Brush arc, 3 Westinghouse alternating dynamos. Capacity of station, —— arc, 3,000 inc. In use, 60 commercial arc, 3,000 commercial inc. 1 Westinghouse, 3 Armington & Sims engines, 3 boilers, Schieren belts, 25 miles of street circuits. Z H.

Thomson-Houston Light, Heat and Power Co. Capital stock, 20,000. John Marsh (Cooperstown), President. H. E. Bundy, Secretary. C. J. Morehouse, Superintendent. W. R. Taylor, Electrician. 4 arc, 4 inc. Thomson-Houston dynamos. Capacity of station, 200 arc, 3,500 inc. In use, 175 commercial arc, 123 public street arc, 3,000 commercial inc. 4 Ball engines, 3 Shapley & Wells boilers, Schieren belts, K. K., Simplex and Okonite wire, 20 miles of street circuits. City pays $—— per light per year for 123 arc of 2,000 candles, burning all of every night. Contract expires in July, 1890. Ju.

BOONVILLE. Boonville Electric Light and Power Co. Capital stock, $10,000; all paid in. M. J. Hoyt, President. A. J. Schweinsberg, Secretary. Chas. E. Thompson, Superintendent. Jefferson Boyce, Electrician. Annual meeting held in November. 1 American dynamo. Capacity of station, 50 arc. In use, 37 commercial arc, 20 public street arc, 73 commercial inc., 6 public street inc. 1 Waterhouse engine and boiler, 7 miles of street circuits. Ju.

BROCKPORT. Brockport Electric Co. Capital stock, $15,000; paid in, $15,000. George D. Morgan, President and Superintendent. Horatio N. Black, Secretary. A. McMullen, Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 600 inc. In use, 39 public street arc, 600 commercial inc. Cooper and Payne engines and boilers, I. B. Williams & Sons belts, Taper Sleeve clutches, Ansonia wire, 9 miles of street circuits. City pays $72 per light per year for 39 arc of 1,500 candles, burning till midnight 22 nights per month. Contract expires in 1895. R H.

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BROOKLYN. Citizens' Electric Illuminating Co. Capital stock, $500,000; all paid in. Mathew Dean, President. E. D. Bushnell, Secretary. E. F. Peck, Superintendent and Electrician. Annual meeting held in January. 1 Excelsior, 88 Thomson-Houston dynamos. Capacity of station, 1,740 arc. In use, 350 commercial arc, 1,129 public street arc, 245 (series) commercial inc. 1 Buckeye, 1 Porter-Allen, 3 Wright engines, 11 Logan boilers, Schieren belts, Ansonia, K. K. and Okonite wire, 12 miles of street circuits. City pays $182.50 per light per year for 1,129 arc of 1,200 candles, burning all of every night. Contract expires in January, 1891. Ju.

Edison Electric Illuminating Co. Capital stock, $650,000; all paid in. E. A. Doty, President. R. C. Peabody, Secretary. E. J. Cook, Superintendent. W. S. Barstow, Electrician. 8 Edison dynamos. Capacity of station, 36,000 inc. In use, 300 commercial arc, 12,000 commercial inc. 4 Ball engines, 4 Babcock & Wilcox boilers, Schieren and Underwood belts, 18 miles of underground circuits. Ju.

BUFFALO. Brush Electric Light Co. Capital stock, $1,000,000; paid in, $802,500. Daniel O'Day, President. Chas. R. Huntley, Secretary and General Manager. H. H. Humphrey, Superintendent. 20 Brush dynamos. Capacity of station, 1,200 arc. In use, 165 commercial arc, 731 public street arc. Westinghouse and Reynolds-Corliss engines, 18 boilers, Bickford & Francis belts, Hill clutches, various wires, 250 miles of street circuits. City pays $146 per light per year for 731 arc of 2,000 candles, burning all of every night. Contract expires annually in March. X H.

Thomson-Houston Electric Light and Power Co. Capital stock, $500,000; paid in, $400,000. Geo. Urban, Jr., President. James A. Roberts, Secretary. C. Lee Abell, Manager. Annual meeting held in April. 16 Thomson-Houston dynamos. Capacity of station, 650 arc, 900 inc. In use, 300 commercial arc, 384 public street arc, 800 commercial inc. 6 Rice engines, 4 Riter boilers, Bickford & Francis belts, 75 miles of street circuits. City pays $146 per light per year for 384 arc of 2,000 candles, burning all of every night. Contract expires in March, 1891. Y Y G.

The United States Electric Light and Power Co. Capital stock, $100,000; paid in, $50,000. S. F. Eagan, President. P. P. Miller, Secretary. F. P. Little, Superintendent and Electrician. Annual meeting held 1st Tuesday in January. 7 United States dynamos. Capacity of station, 400 arc, 550 inc. In use, 550 inc. 1 Rice engine, 2 tubular boilers, Hoffeld belts, Ansonia wire, 30 miles of circuits. W H.

Buffalo Electric Light and Power Co. Capital stock, $10,000; paid in, $10,000. Thomas Hodgson, President. C. R. Huntley, Secretary. H. H. Humphrey, Superintendent and Electrician. Annual meeting held in January. 5 Westinghouse dynamos. Capacity of station, 5,000 inc. In use, 4,500 inc. 12 high speed Westinghouse engines, Oil City tubular boilers, Bickford & Francis belts, New York insulated wire, 11 miles of circuits. P F.

BURLINGTON. Burlington Electric Light and Power Co. Capital stock, $25,000; paid in, $17,400. Frank Wood, President. Howard Flanders, Secretary. Thomas Daniels, Superintendent and Electrician. Annual meeting held in October. 4 Edison dynamos. Capacity of station, 1,500 inc. In use, 800 commercial inc., 212 public street inc. New York Safety Engines, Phœnix boilers, Link belts, Edison wire, 12 miles of street circuits. City pays $21.50 per light per year for 212 inc. of 32 candles, burning all of every night. Contract expires in March, 1894. Ju.

CANANDAIGUA. Canandaigua Electric Light Co. Capital stock, $50,000. M. D. Munger, President. H. B. Ferguson, Secretary. C. J. Purdy, Superintendent and Electrician. Thomson-Houston inc. and Excelsior arc dynamos. Capacity of station, 135 arc, 650 inc. In use, 60 commercial arc, 68 public street arc, 500 commercial inc. 3 Payne engines, 2 Phœnix boilers, Schieren and Main belts, K. K. wire, 29 miles of street circuits. City pays $69 per light per year for 68 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in March, 1894. V V H.

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CANTON. Canton Electric Light and Power Co. Capital stock, $18,000; all paid in. J. C. Preston, President. A. T. Martyn, Secretary and Superintendent. H. E Allen, Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 60 arc. In use, 19 commercial arc, 26 public streeet arc, 74 commercial inc., 1 public street inc. 1 Kingsford engine and boiler, Troy belts, Underwriters' wire, 6 miles of street circuits. City pays $1,500 per year for 26 arc of 1,200 candles, and 1 inc. of 65 candles, burning till midnight on moon schedule. Contract expires in January, 1895. P P G.

CANASTOTA. Canastota Electric Light and Power Co. Capital stock, $20,000; all paid in. W. H. Patten, President. W. H. Tutt, Secretary. George Tibbitts, Superintendent. Annual meeting held in July. 3 Thomson-Houston dynamos. Capacity of station, 50 arc, 1,200 inc. In use, 42 public street arc, 1,000 commercial inc., 5 public street inc. Rice and John T. Noye engines, 2 Porter boilers, New York Leather belts, Ansonia wire, 6 miles of street circuits. City pays $72 per light per year for 42 arc of 2,000 candles, burning till midnight 25 nights per month. Contract expires annually in April. Ju.

CARTHAGE. American Electric Light Co. Capital stock, $15,000. James H. Elliott, President. Allen G. Peck, Secretary. Henry H. Mills, General Manager. Frank Galway, Superintendent and Electrician. American system, water power. P P G.

CATSKILL. Catskill Electric Light Co. 75.

CHATHAM. Chatham Electric Light Co. Capital stock, $15,000; all paid in. Joseph J. Morehouse, President and Superintendent. C. R. Dean, Secretary. B. F. Bachellor, Electrician. Annual meeting held in May. 1 Thomson-Houston dynamo. Capacity of station, 650 inc. In use, 50 public street inc. 1 New York Safety engine, 1 Marvin Briggs boiler, Simplex wire, 4 miles of street circuits. City pays $20 per light per year for 50 inc. of 25 candles, burning until midnight every night. Contract expires in February, 1895. 65.

CLAYTON. Thousand Island Electric Light and Power Co., Limited. Capital stock, $15,000; paid in, $14,000. C. A. Ellis, President. S. B. Barker, Secretary and Superintendent. J. W. Pope, Electrician. Annual meeting held in January. 1 American dynamo. Capacity of station, 50 arc. In use, 11 commercial arc, 13 public street arc, 81 (series) commercial inc. 1 Watertown engine and boiler, American wire, 4 miles of street circuits. City pays $69 per light per year for 13 arc of 2,000 candles, burning till midnight 313 nights per year. Contract expires in March, 1893. P F.

COHOES. Cohoes Gas Light Co. D. H. Van Auken, Superintendent. C. H. Van Auken, Electrician. Remington and Thomson-Houston system, water power. V G.

COOPERSTOWN. Cooperstown Light and Power Co. Capital stock, $50,000; paid in, $35,000. E. W. Howell (Albany), President. Elmer T. Blair (Albany), Secretary. 2 Edison dynamos. Capacity of station, 900 inc. In use, 3 public street arc, 1,200 commercial inc., 61 public street inc. New York Safety engines, Payne boilers, Schieren belts, Underwriters' wire. City pays $90 per light per year for 3 arc of 2,000 candles, and $16.50 for 61 inc. of 20 candles, burning till midnight on moon schedule. Contract expires in October, 1892. G 134.

CORNING. Corning Gas Co. Capital stock, $100,000; all paid in. L. C. Kingsbury, President. C. S. Cole, Secretary. F. D. Kingsbury, Treasurer. R. E. Cole, Superintendent. Annual meeting held in August. Thomson-Houston dynamos. Plant is being erected. Will use a 125 h. p. John T. Noye engine and 1 Preston & Heermans upright boiler. W H.

CORTLAND. Homer and Cortland Gas Light Co. V G.

DANSVILLE. Dansville Electric Light Co. Capital stock, $25,000; all paid in. Alonzo J. Whittman, President. Frank H. Brown, Secretary. William P. Finn, Superintendent and Electrician. Annual meeting held in July. 1 Waterhouse arc, 2 Westing-

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house inc. dynamos. Capacity of station, 40 arc, 1,000 inc. In use, 14 commercial arc, 26 public street arc, 1,000 commercial inc., 15 public street inc. 1 Westinghouse, 1 Fitchburg engine, 2 McEwen Bros. boilers, Schieren belts, Standard Underground Cable Co. wire, 12 miles of street circuits. City pays $72 per light per year for 26 arc of 1,200 candles, and for 6 inc. of 32 candles, burning till midnight on all dark nights. Contract expires in April, 1892. P P G.

DUNKIRK. Plant owned by city. Wm. Bookstarer, Mayor. Frank G. Gould, City Clerk. John Madigan, Secretary. 57 arc lamps of 2,000 candle power, Western Electric system, run by steam in connection with water works

EAST ALBANY. East Albany Gas Light Co. Capital stock, $50,000; all paid in. F. A. Sabbaton, President. Paul A. Sabbaton, Secretary and Superintendent. D. J. Cairns, Electrician. Annual meeting held in April. 1 Westinghouse alternating dynamo. Capacity of station, 750 inc. In use, 175 commercial inc., 175 public street inc. Ball engine, 8 miles of street circuits. City pays $18 per light per year for 175 inc. of 25 candles, burning all of every night. Contract expires in 1892. Company lights three public buildings free. Ju.

ELBRIDGE. Jordan Electric Light and Power Co. (Elbridge and Jordan.) Capital stock, $10,000; all paid in. F. H. Leonard, Jr., President. W. A. Kilby, Secretary. Edward W. Skiff, Superintendent and Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 30 arc, 650 inc. In use, 24 public street arc, 300 commercial inc. Water power, Curtis belts, Shield brand wire, 18 miles of street circuits. Cities pay $65 per light per year for 24 arc of 2,000 candles, burning till 1 A. M. on all dark nights. Contract expires annually in January. Elbridge has 8 lights, Jordan has 16. Ju.

ELMIRA. Elmira Illuminating Co. Capital stock, $200,000; paid in, $170,000. Ph. Ferd. Kobbé, President. F. A. Cheney, Secretary and Superintendent. Annual meeting held in July. 22 United States, Westinghouse and Thomson-Houston dynamos. Capacity of station, 50 arc, 5,000 inc. In use, 30 commercial arc, 4,400 commercial inc. 1 Payne, 3 Buckeye engines, 5 Payne boilers, Taper Sleeve clutches, Standard underground wire. Z Z H.

FORT EDWARD. Fort Edward Electric Light and Power Co. Capital stock, $12,000; all paid in. L. M. Howland, President. A. B. Contryman, Secretary. A. E. De Forrest, Superintendent. E. R. Traynor, Electrician. Annual meeting held in December. 1 Westinghouse alternating dynamo. Capacity of station, 650 inc. In use, 600 commercial inc., 100 public street inc. Westinghouse engines, Bigelow boilers, Underwriters' wire, 8 miles of street circuits. City pays $20 per light per year for 100 inc. of 25 candles, burning all of every night. Contract expires annually in June. P F.

FRANKFORT. Frankfort Electric Light Co. L F.

FORT PLAIN. Fort Plain Gas, Electric Light, Heat and Power Co. Capital stock, $31,000; all paid in. E. W. Wood, President. Andrew Dunn, Secretary. A. A. Miller, Superintendent. Annual meeting held May 15. 2 Thomson-Houston dynamos. Capacity of station, 80 arc. In use, 17 commercial arc, 50 inc. 1 McIntosh & Seymour high speed engine, 1 boiler, 7 miles of circuits. S G.

FULTON. Citizens' Electric Co. Capital stock, $54,000; all paid in. Chauncey Belknop, President. George G. Chauncey, Secretary and Superintendent. F. S. Rogers, Electrician. Annual meeting second Tuesday in March. 3 Thomson-Houston, 2 Edison dynamos. Capacity of station, 96 arc, 2,500 inc. In use, 3 commercial arc, 1,500 inc. 2 Hercules water wheels, Cowles wire, 20 miles of circuits. 87.

GENEVA. Geneva Brush Electric Light and Power Co. Capital stock, $100,000. J. Potter, President. Chas. H. Avery, Secretary, Superintendent and Electrician. Brush dynamos. Capacity of station, 110 arcs, 450 inc. In use, 50 commercial arc, 55 public street arc, 400 commercial inc. 2 Ball engines, 2 Erie City boilers, Under-

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writers' and Okonite wire, 20 miles of street circuits. City pays $80 per light per year for 55 arcs of 2,000 candles, burning till midnight on moon schedule. Contract expires in May, 1891. W G.

GLENS FALLS. Glens Falls Electric Light and Power Co. Capital stock, $35,000. B. B. Fowler, President. Wm. A. Wait, Secretary. Olin S. Potter, Superintendent. Annual meeting held in January. 4 Thomson-Houston dynamos. Capacity of station, 150 arc, 550 inc. In use, 64 commercial arc, 68 public street arc, 550 commercial inc. 2 Ball engines, 2 Phœnix boilers, Schieren belts, Simplex wire, 15 miles of street circuits. City pays 28 cents per light per year for 68 arc of 2,000 candles, burning 25 nights per month till 1 A. M. Contract expires annually in May. S G.

GLOVERSVILLE. Gloversville Electric Co. Capital stock, $60,000; all paid in. James Radford, President. Edgar A. Spencer, Secretary. John Begley, Superintendent and Electrician. Annual meeting held in August. Thomson-Houston dynamos. Capacity of station, 150 arc, 650 inc. In use, 40 commercial arc, 70 public street arc, 650 commercial inc. Payne engine and boilers, 24 miles of street circuits. City pays $60 per light per year for 70 arc of 1,200 candles, burning till 2 A. M. every night. Contract made June 1, 1890. V. G.

Glens Falls Gas Light Co. Capital stock, $50,000; all paid in. James Ordway, President. E. T. Johnson, Secretary. H. A. Brooks, Superintendent. David W. Brown, Electrician. Annual meeting held in May. 2 American dynamos. Capacity of station, 100 arc, 75 inc. In use, 100 commercial arc, 75 commercial inc. 1 Ball engine, 1 Bigelow boiler, Schieren belts, Shield brand wire, 5 miles of street circuits. P P G.

GOUVERNEUR. American Illuminating and Power Co. Capital stock, $20,000; all paid in. Edward D. Barry, President. C. Arthur Parker, Secretary and Superintendent. Annual meeting held in January. Westinghouse and Wood dynamos. Capacity of station, 90 arc, 750 inc. In use, 43 commercial arc, 31 public street arc. Power is rented. 3 Hill clutches, American Electrical Works wire, 11 miles of street circuits. City pays $50 per light per year for 31 arc of 2,000 candles, burning till midnight on moon schedule Contract expires in January, 1893. P P F.

GREENBUSH. Greenbush Gas Light Co. F. A. Sabbaton, President. Paul H. Sabbaton, Secretary. Samuel D. Cairns, Superintendent and Electrician. 1 Westinghouse dynamo. Capacity of station, 750 inc. In use, 175 commercial inc., 175 public street inc. Ball engines, Troy Belting and Supply Co. belts, 18 miles of street circuits. City pays $18.28 per light per year for 175 inc. of 25 candles, burning all of every night. Contract expires in 2 years. V G.

GREENPORT. Greenport Electric Light and Power Co. 50 Thomson-Houston lights. 75.

HAMBURG. Hamburg Water and Electric Light Co. V G.

HEMPSTEAD. Hempstead Gas Light Co. John O. Pix, President. P. J. A. Harper, Secretary. Samuel Powell, Superintendent. Annual meeting held in April. Capacity of station, 400 inc. In use, 230 inc. High speed engine. Ju.

HOLLEY. Holley Electric Co. Capital stock, $7,500. H. O. Jones, President. C. H. Frisbee, Secretary and Superintendent. M. McMullen, Electrician. 2 Western dynamos. Capacity of station, 700 inc. In use, 375 commercial inc., 62 public street inc. 1 75 h. p. Russell engine and boiler, Ansonia and Western Electric Co. wire, 5 miles of street circuits. City pays $12.10 per light per year for 62 inc. of 25 candles, burning on moon schedule. Contract expires in October, 1892. M M F.

HOOSICK FALLS. Hoosick Falls Water Power and Light Co. Capital stock, $100,000. James W. Wakefield, President. F. A. Sawyer, Treasurer. J. F. Sawyer, Manager and Electrician. 4 Thomson-Houston dynamos. Capacity of station, 110 arc, 1,300 inc. In use, 63 public street arc, 700 commercial inc. 1 150 h. p. Armington & Sims engine, Allen boiler, 1 Hunter clutch. Run by water power, have steam plant as auxiliary. City pays $60 per light per year for 63 arc of 1,200 candles, burning till midnight on moon schedule. Ju.

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HORNELLSVILLE. American Illuminating Co. Capital stock, $50,000; all paid in. John M. Finch, President. L. T. Mason, Secretary and Superintendent. W. A. Butler, Electrician. Annual meeting held in April. 2 Edison, 4 American dynamos. Capacity of station, 220 arc, 1,000 inc. In use, 166 commercial arc, 65 public street arc, 900 commercial inc. 3 New York Safety engines, 3 McEwin Bros. boilers, Schieren belts, K. K. wire, 16 miles of street circuits. City pays $100 per light per year for 65 arc of 2,000 candles, burning all of every night. Contract expires in June, 1899. S S H.

HUDSON. Hudson Light and Power Co. Capital stock, $150,000; all paid in. A. W. Rice, President. E. C. Rowley, Secretary. James B. McGiffert, Superintendent and Electrician. Annual meeting held in January. 6 Thomson-Houston dynamos. Capacity of station, 145 arc, 1,500 inc. In use, 18 commercial arc, 103 public street arc, 1,410 commercial inc. 3 Ball engines, 3 Erie City boilers, Jewell and Underwood belts, Clark wire, 24 miles of street circuits. City pays $116.76 per light per year for 103 arc of 1,500 candles, burning all of every night. Contract expires April 15, 1892. W G.

ISLIP. South Side Electric Light Co. 75.

Mutual Light Co. 75.

ITHACA. Brush-Swan Electric Light Co. Capital stock, $50,000; all paid in. W. H. Sage, President. Roger B. Williams, Secretary and Treasurer. John V. Cartwright, Superintendent and Electrician. Annual meeting held in January. Brush dynamos. Capacity of station, 125 arc. In use, 30 commercial arc, 76 public street arc, 60 commercial inc. 2 Ball engines, leather belts, Underwriters' wire, 15 miles of street circuits. City pays 23 cents per light per night for 76 arc of 2,000 candles, burning 7 hours per night on moon schedule. Contract expires in December, 1893. V V H.

JAMAICA. Long Island Electric Co. Capital stock, $100,000. J. Browne, Jr., President. E. E. Britton, Secretary and Superintendent. Annual meeting held in January. 2 Van Depoele dynamos. 1 Putnam low speed engine, 2 Bigelow boilers, various belts, Roebling's wire. Ju.

JAMESTOWN. Jamestown Electric Light and Power Co. Capital stock, $125,000; paid in, $120,000. C. W. Grant, President. C. H. Tew, Secretary. 2 Brush and 6 Thomson-Houston dynamos. Capacity of station, 188 arc, 1,600 inc. In use, 115 commercial arc, 2,000 commercial inc. 2 Armington & Sims engines, 3 Jamestown boilers, Evans and Schieren belts, 2 Hill clutches, K. K. wire. W G.

JOHNSTOWN. Johnstown Electric Light and Power Co. Capital stock, $100,000; all paid in. Andrew J. Nellis, President. James H. Cross, Secretary and Superintendent. Annual meeting held in January. 1 Westinghouse alternating and 7 Thomson-Houston arc dynamos. Capacity of station, 305 arc, 500 inc. In use, 52 public street arc. Roebling and K. K. wire, 35 miles of street circuits. City pays $85 per light per year for 52 arc of 2,000 candles, burning till 1 A. M. W H.

Johnstown and Gloversville Gas Co. Capital stock, $150,000. H. Levis, President. D. Paton, Secretary. J. Lorenz, Superintendent and Electrician. 1 Heisler dynamo. Capacity of station, 320 inc. In use, 160 commercial inc. 1 Phœnix engine and boiler, Underwood belts, Moore wire, 3 miles of street circuits. W W G.

KINGSTON. Kingston and Rondout Electric Light Co. George W. Blanchard, President. Philip H. Fielding, Superintendent. Schuyler system, 1 Buckeye engine. G 85.

Electric Light, Heat and Power Co. G 85.

LITTLE FALLS. William Henry White & Co. George M. Lee, Superintendent and Electrician. Edison system, water power. H 85.

LOCKPORT. Lockport Gas Light Co. Capital stock, $100,000; all paid in. T. T. Flagler, President. Jesse Peterson, Secretary. H. J. Chadwick, Superintendent. Chas. Y. Fowlie, Electrician. Annual meeting held in December. 2 Brush, 3 Edison

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dynamos. Capacity of station, 115 arc, 725 inc. In use, 28 commercial arc, 37 public street arc, 390 commercial inc., 117 public street inc. 1 Hall, 2 Armington & Sims engines, 2 Holly boilers, Schieren belts, Ansonia wire, 27 miles of street circuits. City pays $80 per light per year for 37 arc of 2,000 candles and for 176 inc. of 20 candles, burning 2,900 hours per year. Contract expires annually in April. W H.

LOWVILLE. Lowville Electric Light and Power Co. Capital stock, $30,000; all paid in. W. H. Morrison, President. John D. Moore, Secretary. Chas. W. Harrison, Electrician. Annual meeting held in February. Slattery and American dynamos. Capacity of station, 50 arc, 650 inc. In use, 13 commercial arc, 27 public street arc, 450 commercial inc., 3 public street inc. 1 Watertown engine and boiler, Schieren belts, Grimshaw and K. K. wire, 12 miles of street circuits. City pays $60 per light per year for 27 arc of 2,000 candles and for 3 inc. of 50 candles, burning till midnight on moon schedule. Contract expires in May, 1891. R F.

LYONS. Lyons Electric Light and Power Co. Capital stock, $45,000; paid in, $36,000. Samuel Scott, President. John W. Van Etten, Secretary. Wm. M. Deady, Treasurer. Fred Engle, Electrician. Annual meeting held in June. 3 Thomson-Houston dynamos. Capacity of station, 62 arc, 650 inc. In use, 10 commercial arc, 52 public street arc, 525 commercial inc. Payne engines, Kingsford boilers, 12 miles of street circuits. City pays $60 per light per year for 52 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires in September, 1894. Use water power except during a freshet. S G.

MANHATTAN BEACH. Manhattan Beach Improvement Co. 60 Excelsior lights. H 85.

MALONE. Malone Electric Light and Power Co. Capital stock, $25,000; paid in, $22,000. A. Munger, President. L. D. Munger, Secretary. W. L. Beach, Superintendent and Electrician. Annual meeting held in December. 4 Thomson-Houston dynamos. Capacity of station, 80 arc, 750 inc. In use, 20 commercial arc, 42 public street arc, 200 commercial inc. 1 Payne engine, 1 Kingsford boiler, 2 clutches. City pays $66.66 per light per year for 42 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires annually in March. S G.

MATTEAWAN. Carroll Electric Light Works. C. H. Watson, Manager. J. E. Blakeley, Electrician. 4 Heisler dynamos. Capacity of station, 900 inc. In use, 450 commercial inc., 208 public street inc. Russell and Rodney Hunt engines, 3 boilers, Jewell and Hoyt belts, Taper Sleeve clutches, K. K. wire, 24 miles of street circuits. City pays $20 per light per year for 208 inc. of 20 candles, burning all of every dark night. Also light Fishkill-on-Hudson. G 85.

MEXICO. Mexico Light, Heat and Power Co. Capital stock, $15,000; all paid in. E. L Huntington, Superintendent. 2 Schuyler dynamos. Capacity of station, 70 arc. In use, 18 commercial arc, 20 public street arc, 65 commercial inc. 1 L. G. Clarke engine and boiler, Ireson belts, K. K. wire, 4 miles of street circuits. City pays $50 per light per year for 20 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in March, 1895. P P G.

MIDDLETOWN. Ft. Wayne Electric Co. R. T. McDonald, President and Secretary. W. B. McDonald, Superintendent. 2 Slattery, 1 Thomson-Houston dynamo. Capacity of station, 50 arc, 1,600 inc. In use, 20 commercial arc, 50 public street arc, 1,400 commercial inc. Erie City engines, Sheridan belts, New York Insulated Wire Co. and Grimshaw wire, 10 miles of street circuits. City pays $125 per light per year for 50 arc of 1,200 candles, burning all of every night. Owned by parent company. 75.

MT VERNON. Mt. Vernon Electric Light Co. 70 American lights. 75.

NEWARK. Newark Electric Light and Power Co. Capital stock, $30,000; all paid in. J. F. Moffet, President. J. V. Clarke, Secretary. F. W. Kellogg, Superintendent. W. S. Reed, Electrician. 3 Thomson-Houston dynamos. Capacity of station, 60 arc, 500 inc. In use, 47 public street arc. 1 Payne engine, 2 Pinkerton boilers, An-

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sonia Brass and Copper Co. wire, 20 miles of street circuits. City pays $60 per light per year for 37 arc of 2,000 candles, burning on moon schedule from dusk to 1 A. M. Contract expires in April, 1894.

PENN YAN. Penn Yan Electric Co. 1 Westinghouse alternating dynamo. Capacity of station, 750 inc. In use, 750 commercial inc. Water power is used. Ju.

NEW BERLIN. New Berlin Light and Power Co. Capital stock, $10,000; paid in, $9,800. Jay G. Holmes, President. J. T. Richer, Secretary and Superintendent. Henry H. McGuire, Electrician. Annual meeting held in November. 1 Thomson-Houston dynamo. Capacity of station, 650 inc. In use, 1 public street arc, 565 commercial inc., 40 public street inc. Water power, leather link belts, Ansonia wire, 6 miles of street circuits. City pays $15 per light per year for 40 inc. of 25 candles, burning all of every night. Contract expires in November, 1890. M G.

NEWBURGH. Edison Electric Illuminating Co. Capital stock, $60,000; paid in, $45,000. H. B. Beckman, President. M. C. Belknap, Secretary. C. J. Embler, Superintendent. Annual meeting held in November. 6 Edison dynamos. 3 Armington & Sims engines, Babcock & Wilcox and Hartford boilers. Ju.

Newburgh Electric Light and Power Co. Capital stock, $100,000; all paid in. B. B. Odell, Jr., President. C. L. Waring, Secretary. W. W. Sheehan, Superintendent and Electrician. Annual meeting held in August. 1 Westinghouse, 7 Thomson-Houston dynamos. Capacity of station, 280 arc, 1,350 inc. In use, 280 commercial arc, 102 public street arc, 1,350 commercial inc. 1 Whitehill-Corliss, 3 Armington & Sims engines, 4 Delany boilers, Schieren belts, Frisbie clutches, K. K. wire, 50 miles of street circuits. City pays $114 per light per year for 102 arc of 1,200 candles, burning all of every night. Contract expires annually in May. Ju.

NEW ROCHELLE. New Rochelle Electric Light Co. Capital stock, $125,000; all paid in. Henry S. Herrman, President. Martin Freeman, Secretary. James Ross, Superintendent and Electrician. 4 Thomson-Houston dynamos. Capacity of station, 130 arc, 500 inc. In use, 9 commercial arc, 465 inc. 2 New York high speed engines, 2 Hodge boilers, Underwood belts, Simplex wires, 30 miles of street circuits, 4 Hill clutches. 82.

NEW YORK. Brush Electric Illuminating Co. Capital stock, $1,000,000, all paid in. W. T. Moore, President. G. McFall, Secretary and Treasurer. Wm. G. Wright, Superintendent. George M. Hoag, Electrician. Annual meeting held in March. 90 Brush dynamos. Capacity of station, 2,500 arc. In use, 2,500 commercial arc, 367 public street arc. Watts, Campbell & Co. engines, 13 D. M. Nichols boilers, Fayerweather & Ladew belts, Standard Underground Cable Co. wire. City pays 35 cents overhead, 45 cents underground per light per night for 369 arc of 2,000 candles, burning all of every night. X X H.

Manhattan Electric Light Co. Chas. L. Bernheim, President. A. C. Bernheim, Secretary. E. M. Rosenberg, Electrician. 17 Slattery dynamos. Capacity of station, 700 arc, 35,000 inc. 6 engines, 12 Nichol boilers, Fayerweather & Ladew and Munson belts, 6 Brown clutches, 100 miles of street circuits. Ju.

Harlem Lighting Co. Chas. L. Bernheim, President. A. C. Bernheim, Secretary. 1 Slattery, 4 Brush, 3 Thomson-Houston, 4 Jenney dynamos. Capacity of station, 515 arc, 1,000 inc. In use, 250 commercial arc, 2,000 commercial inc. Munson belts, 35 miles of street circuits. Z H.

United Electric Light and Power Co. Capital stock, $5,000,000; paid in, $2,000,000. Caleb H. Jackson, President. Charles J. Marsh, Secretary. A. E. Scoullar, Superintendent. Frederick Darlington, Electrician. Annual meeting held in February. Westinghouse, Weston and Brush dynamos. In use, 4,000 commercial arc, 40,000 commercial inc. 9 Westinghouse engines, Munson belts, Standard Underground Cable Co. wire, 500 miles of street circuits. X X X H.

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West Side Electric Light and Power Co. Capital stock, $100,000; paid in, $45,000 Hon. John Quinn, President. W. Scott Taber, Secretary. Annual meeting held in January. Ft. Wayne Jenney dynamo. Capacity of station, 6,000 inc. In use, 3,000 inc. 4 high speed Ball engines, 3 Manning boilers, Underwood belts, Grimshaw wire. Ju.

Edison Electric Illuminating Co. Capital stock, $4,500,000. George F. Peabody, President. John I. Beggs, Vice-President: James B. Skehan, Secretary and Treasurer. Edison system. X X X H.

New York Lighting Co. Capital stock, $150,000. J. L. Mott, Jr., President. John J. Moore, Treasurer and Manager. John J. Bowen, Superintendent. Thomson-Houston system. Ju.

East River Electric Light Co. S. G. Smith, President. Edward Duffy, Secretary. H. A. Foster, Superintendent and Electrician. 17 Thomson-Houston dynamos. 200 commercial arc. In use, 1,200 inc. 1 Hewes & Phillips low speed Corliss engine, 3 Manning and 1 Marion boiler, Shultz belts, Callender wire. Ju.

Mt. Morris Electric Light Co. 300 American and Schuyler lights. See Addenda.

North New York Electric Light Co. 150 Thomson-Houston lights. 75.

Hecla Electric Light Co. 75.

Columbia Electric Light and Power Co. 75.

Piedmont Electric Illuminating Co. 75.

Brush-Swan Inc. Electric Light Co. 75.

NIAGARA FALLS. Brush Electric Light and Power Co. Capital stock, $50,000; all paid in. Charles Rhodes, President. Benjamin Rhodes, Secretary and Electrician. Henry Huntley, Superintendent. 8 Brush dynamos. Capacity of station, 160 arc, 500 inc. In use, 40 commercial arc, 70 public street arc, 500 commercial inc. Use water power, 20 miles of street circuits. City pays $90 per light per year for 71 arc of 2,000 candles, burning all night on moon schedule. No written contract. V G.

NORWICH. Norwich Light and Power Co. Capital stock, $24,000; paid in, $18,000. Dudley Farlin, President. Elmer Blair, Secretary. James H. Throop, Superintendent. Carlton Wheeler, Electrician. 1 Westinghouse, 1 Schuyler dynamo. Capacity of station, 35 arc, 750 inc. In use, 675 inc. 2 Westinghouse high speed engines, 1 Erie boiler, various wires, 9 miles of circuits. Ju.

NYACK. Nyack Electric Light and Power Co. Capital stock, $20,000. Clarence Lexon, President. Harris G. Newton, Secretary. Frank English, Electrician. 100 American lights. 1 New York Safety engine. S G.

OGDENSBURG. Ogdensburg Gas and Electric Light Co. Leased to J. H. Findlay. 35 American lights. 75.

OLEAN. Olean Electric Light and Power Co. Capital stock, $25,000; all paid in. J. V. D. Coon, President. A. S. Williams, Secretary. W. S. Newman, Electrician. Annual meeting held in January. 1 Westinghouse inc., 2 Brush arc dynamos. Capacity of station, 120 arc, 1,400 inc. In use, 35 commercial arc, 40 public street arc, 840 commercial inc. 1 Ball, 1 Payne engine, 2 Luther boilers, Schieren belts. City pays $100 per light per year for 40 arc of 2,000 candles, burning all of every night. Contract expires in April, 1805. S G.

ONEIDA. American Illuminating Co. Capital stock, $10,000. Frank F. Hunt, Secretary and Superintendent. Spencer C. Lewis, Electrician. American system. 1 New York Safety engine. V G.

ONEONTA. Oneonta Electric Light and Power Co. Capital stock, $50,000. Frank D. Miller, President. G. A. Lane, Superintendent. Jas. O'Brien, Electrician. Annual meeting held in January. 2 Thomson-Houston, 2 American dynamos. Capacity of station, 100 arc, 1,200 inc. In use, 9 commercial arc, 32 public street arc, 800 commercial inc. 3 Westinghouse engines, 2 Shapley & Wells boilers, Schieren belts.

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City pays $127.75 per light per year for 32 arc of 2,000 candles, burning all of every night. Contract expires annually. V V H.

OSWEGO. Oswego Gas Light Co. Capital stock, $121,750. Jas. Dowall, President. Wm. L. Welsh, Secretary. W. E. Kingsford, Superintendent and Electrician. Annual meeting held in July. 1 Thomson-Houston, 2 Edison dynamos. Capacity of station, 45 arc, 600 inc. In use, 41 commercial arc, 300 commercial inc. 1 Kingsford engine and boiler, Schieren belts, Underwriters' and Shield brand wire, 3 miles of street circuits. Ju.

Howe Electric Light Co. S G.

OWEGO. Owego Electric Light and Motor Co. Capital stock, $15,000. C. R. Heaton, President. S. J. Van Kleeck, Secretary. A. P. Cleveland, Superintendent. Fred D. Work, Electrician. Thomson-Houston system. 1 Payne engine. Ju.

PATCHOGUE. Patchogue Electric Light Co. Capital stock, $20,000; paid in, $15,000. John S. Havens, President. N. O. Sweozy, Secretary. J. S. Havens, J. C. Mills and G. D. Gerald, Superintendents. Frederick Palo, Electrician. Annual meeting held in March. 2 Thomson-Houston dynamos. Capacity of station, 30 arc, 600 inc. In use, 30 public street arc, 350 commercial inc. Armington & Sims engine, Hampon boilers, Shultz belts, 4 miles of street circuits. Street lamps are paid for by private subscription. P P G.

PEEKSKILL. Peekskill Electric Light and Power Co. Capital stock, $80,000; all paid in. Wm. Stanley, Jr., President. Wm. A. Hunt, Jr., Secretary and Superintendent. W. A. Whitney, Electrician. Annual meeting held in August. 2 Westinghouse dynamos. Capacity of station, 1,500 inc. In use, 1,400 commercial inc., 175 public street inc. 2 Westinghouse engines, 3 Bigelow boilers, Hoyt belts, K. K. wire, 10 miles of street circuits. City pays $25 per light per year for 175 inc. of 16 candles, burning 20 nights per month on moon schedule. Contract expires annually in May. S G.

PENN YAN. Penn Yan Electric Light Co. Z H.

PHŒNIX. Phœnix Electric Light Co. Owned by J. I. Van Doren. 2 Thomson-Houston dynamos. Capacity, 20 arc and 400 inc. Water power. F 85.

PLATTSBURG. Plattsburg Light, Heat and Power Co. Capital stock, $100,000; all paid in. H. M. Pierson, President. G. M. Cole, Secretary and Superintendent. D. Davis, Electrician. Annual meeting held in January. 2 Excelsior, 2 Westinghouse dynamos. Capacity of station, 70 arc, 1,500 inc. In use, 40 public street arc, 1,100 commercial inc., 6 public street inc. 2 Ball engines, 2 boilers, 5 clutches. City pays $75 per light per year for 40 arc of 1,200 candles, and for 6 inc. of 65 candles, burning 8 hours every night. Contract expires in 1894. Have water power, 300 h. p. W G.

PORT CHESTER. Port Chester Standard Gas Light Co. 75.

PORT JERVIS. Deer Park Electric Light Co. Capital stock, $45,000; paid in, $37,350. Chas. Brox, President. Benj. Ryall, Secretary. E. N. Robinson, Superintendent. 2 Schuyler and 2 Westinghouse dynamos. Capacity of station, 95 arc, 1,500 inc. In use, 3 commercial arc, 90 public street arc, 800 commercial inc. Russell and Westinghouse engines and boilers, K. K. wire, 18 miles of street circuits. City pays $90 per light per year for 90 arc of 1,800 candles, burning all of every night. Contract expires annually in April. S G.

PORT RICHMOND. Staten Island Light, Heat and Power Co. Capital stock, $100,000; paid in, $40,000. Calvin Detrick, President. Charles M. Berrian, Secretary. Samuel R. Libby, Superintendent and Electrician. Annual meeting held in November. 2 Heisler dynamos. Capacity of station, 3,600 inc. In use, 500 commercial inc., 300 public street inc. 2 Russell engines and boilers, Shultz belts, 2 Hill clutches, K. K. wire, 25 miles of street circuits. City pays $14.50 per light per year for 300 inc. of 30 candles, burning all of every night. Contract expires January 1, 1895. Ju.

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POTSDAM. Potsdam Electric Light and Power Co. Capital stock, $2,000; all paid in. Thos. S. Clarkson, President and Superintendent. W. R. Weed, Secretary. Carlos Burroughs, Electrician. Annual meeting held in November. Thomson-Houston dynamo. Capacity of station, 100 arc, 500 inc. In use, 38 commercial arc, 42 public street arc, 325 commercial inc. K. K. wire, 15 miles of street circuits. City pays $60 per light per year for 42 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires annually. P P G.

POUGHKEEPSIE. Poughkeepsie Electric Light and Power Co. Capital stock, $110,000; all paid in. James H. Ward, President. Alfred B. Smith, Secretary. John N. Candee, Superintendent. Annual meeting held 4th Tuesday in May. 9 Thomson-Houston, 2 American dynamos. Capacity of station, 371 arc, 1,500 inc. In use, 90 commercial arc, 900 inc., 211 public arc. 2 New York Safety, 2 Ball and 2 Armington & Sims engines, 4 boilers, several kinds of belts, several kinds of wire, 30 miles of circuits. W H.

RICHFIELD SPRINGS. Richfield Springs Electric Light and Power Co. Capital stock, $20,000; all paid in. Allen Bloomfield President. John Guyer, Secretary. Jas. A. Storer, Superintendent and Electrician. Annual meeting held in January. 2 Westinghouse dynamos. Capacity of station, 50 arc, 650 inc. In use, 5 commercial arc, 27 public street arc, 800 commercial inc. 2 Westinghouse engines, 1 Shapley & Wells boiler, Schieren belts, K. K. wire, 3 miles of street circuits. City pays $80 per light per year for 27 arc of 2,000 candles, burning all night on moon schedule. Contract expires annually in February. R F 88.

RIVERHEAD. Riverhead Electric Light Co. Capital stock, $7,000; all paid in. Lyman J. Hommeden, Electrician. 1 Thomson-Houston dynamo. Capacity of station, 30 arc. In use, 9 commercial arc, 12 public street arc. Hercules water wheels, Schieren belts. Run 12 arc of 1,200 c. p. every night till midnight, charging 30 cents per night, and depend upon voluntary subscription for payment. Ju.

ROCHESTER. Rochester Electric Light Co. Capital stock, $100,000; all paid in. James C. Hart, President. C. H. Babcock, Secretary. J. A. Olmstead, Superintendent. C. F. Burns, Electrician. Annual meeting held in May. 26 United States dynamos. Capacity of station, 500 arcs, 1,400 inc. In use, 200 commercial arc, 267 public street arc, 1,400 commercial inc. 4 Leffell water wheels, 60 miles of street circuits. City pays 28½ cents per light per night for 267 arc of 2,000 candles, burning all of every night. W H.

Brush Electric Light Co. Capital stock, $300,000; paid in, $250,000. Geo. E. Numford, President. Chas. B. Griffith, Secretary. Geo. A. Redman, Superintendent and Electrician. Brush dynamos. Capacity of station, 3,000 arc. In use, 530 commercial arc, 782 public street arc, 320 commercial inc. 1 Cooper-Corliss engine, 3 boilers, Cross Bros. belts, Benedict & Burnham and Okonite wire, 310 miles of street circuits. City pays $102.20 per light per year for 782 arc of 2,000 candles, burning all of every night. Contract expires in August, 1892. Y Y H.

The Edison Electric Illuminating Co. Capital stock, $225,000; all paid in. J. Lee ——, President. H. L. Brewster, Secretary. Wm. McDonald, Superintendent. Chas. N. Pratt, Electrician. Annual meeting held in April. 10 Edison, 2 Municipal Edison, 2 Thomson-Houston dynamos. Capacity of station, 7,500 inc. In use, 7,500 inc. 3 Armington & Sims, 3 Woodbury, 1 Porter engine, high speed, 8 Woodbury boilers, Link belts, Edison wire. Y H.

ROME. Rome Gas Light Co. G. N. Bissell, President. W. R. Huntington, Secretary and Treasurer. J. D. Higgins, Superintendent. 8 Thomson-Houston and Remington dynamos. Capacity of station, 208 arc, 300 inc. 3 Straight line engines, 3 boilers. S G.

ST. GEORGE. Richmond Light, Heat and Power Co. Erastus Wiman, President. Wm. Kentgen, Secretary. W. Dwight Wiman, Superintendent and Electrician. Annual

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meeting held in June. 2 Thomson-Houston, 4 American and 5 Westinghouse dynamos. Capacity of station, 250 arc, 5,000 inc. In use, 85 commercial arc, 100 public street arc, 3,500 commercial inc., 1,050 public street inc. Westinghouse and Armington & Sims engines, Abendroth & Root boilers, Schieren belts, Hill clutches, K. K., Grimshaw and Okonite wire. City pays $80 per light per year for 100 arc of 1,200 candles and $15 for 1,050 inc. of 25 candles, burning all of every night. Contract expires annually in May. W H.

SALEM. Salem Electric Light, Heat and Power Co. Capital stock, $32,000; paid in, $22,000. John M. Carpenter, President. Wm. T. Hilliard, Secretary. Alvin O. Foss, Superintendent and Electrician. Annual meeting held in November. 2 Westinghouse dynamos. Capacity of station, 35 arc, 1,200 inc. In use, 32 commercial arc, 600 inc. 3 high speed Westinghouse engines, 1 Westinghouse boiler, Underwood belts, Callender wire, 8 miles of circuits. Ju.

SANDY HILL. Sandy Hill Electric Light and Power Co. Capital stock, $24,500; all paid in. Marcus C. Allen, President. G. M. Ingalls, Secretary. Seymour Taylor, Superintendent and Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 650 inc. In use, 10 commercial arc, 38 public street arc, 425 commercial inc. Ball engine, Phœnix boiler, Troy belts, Simplex wire, 10 miles of street circuits. City pays $84.21 per light per year for 38 arc of 2,000 candles, burning till 1 A. M. on all dark nights. Contract expires annually in March. R G.

SARATOGA SPRINGS. Saratoga Gas and Electric Light Co. 130 American lights. F 89.

Consumers' Gas and Electric Light Co. Not yet in operation.

SCHENECTADY. Westinghouse Illuminating Co. Capital stock, $100,000. John Westinghouse, President. H. R. Higeman, Secretary and Treasurer. W. M. Stewart, Superintendent and Electrician. Annual meeting held in November. 4 Westinghouse dynamos. Capacity of station, 4,500 inc. 4 Westinghouse engines, 2 Babcox & Wilcox boilers. W G.

Schenectady Gas Light Co. Capital stock, $100,000. Wm. Henry White, President. Clement A. White, Secretary, Superintendent and Electrician. Annual meeting held in January. 1 American and 4 Remington dynamos. Capacity of station, 150 arc. In use, 35 commercial arc, 109 public street arc. 2 Armington & Sims engines, 2 Hawkins boilers, leather belts, Benedict & Burnham wire, 12 miles of street circuits. City pays $135 per light per year for 109 arc of 2,000 candles, burning all of every night. Contract expires in October, 1891. W H.

SENECA FALLS. Seneca Electric Co. Capital stock, $60,000; all paid in. S. L. Phillips, President and Secretary. A. E. Dresser, Superintendent and Electrician. Annual meeting held in January. 1 Excelsior, 9 Thomson-Houston dynamos. Capacity of station, 135 arc, 1,500 inc. In use, 48 commercial arc, 65 public street arc, 1,200 commercial inc. Payne and McIntosh & Seymour engines, Kingsford and Ryan & McDonald boilers, Schieren, Curtis and Bratton & Knight belts, 2 Hill clutches, K. K., American and P. & B. wire, 20 miles of street circuits. City pays $60 per light per year for 65 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires May 1, 1894. V V H.

SING SING. Sing Sing Electric Lighting Co. Capital stock, $15,000; all paid in. Henry B. Gayley, President. B. B. Nostrand, Jr., Secretary and Electrician. Joseph R. Swain, Superintendent. Annual meeting held in February. 2 Westinghouse alternating dynamos. Capacity of station, 1,500 inc. In use, 1,250 commercial inc., 41 public street inc. 1 150 h. p. Corliss engine, Underwood belts. City pays $25 per light per year for 41 inc. of 25 candles, burning all of every night. Contract expires March 1, 1891. Ju.

SYRACUSE. Syracuse Electric Light and Power Co. Capital stock, $300,000; paid in,

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$266,000. John Dunn, Jr., President. John C. Keeffe, Secretary. A. P. Seymour, Superintendent and Electrician. Annual meeting held in September. 17 Thomson-Houston dynamos. Capacity of station, 525 arc, 4,300 inc. In use, 175 commercial arc, 300 public street arc, 3,500 commercial inc. 1 Straight Line, 2 Reynolds-Corliss engines, 7 Phœnix boilers, Graton & Knight belts, Ansonia wire, 85 miles of street circuits. City pays $144 per light per year for 300 arc of 2,000 candles, burning all of every night. Contract expires in October, 1890. Z G.

TARRYTOWN. Tarrytown and Irvington Gas Light Co. N. H. Odell, President. C. F. Odell, Secretary. F. I. Arnold, Superintendent and Electrician. 1 Thomson-Houston alternating dynamo. Capacity of station, 650 inc. In use, 500 commercial inc., 104 public street inc. 1 McIntosh & Seymour engine, Porter boiler, New York belts, K. K. wire, 7 miles of street circuits. City pays $14.50 per light per year for 104 inc. of 25 candles, burning till 4 A..M. on moon schedule. Contract expires annually in December. Plant is owned by the Tarrytown Heat, Light and Power Co., but is leased to and operated by the above company. V G.

Excelsior Electric Co. Capital stock, $50,000; all paid in. H. D. Fuller, President. J. H. Smith, Secretary. J. Lishock, Superintendent and Electrician. Annual meeting held in July. 1 Thomson-Houston, 2 Excelsior dynamos. Capacity of station, 90 arc, 650 inc. In use, 25 commercial arc, 65 public street arc, 750 commercial inc. McIntosh & Seymour engines, Porter boilers, Shultz belts, Simplex and K. K. wire, 24 miles of street circuits. City pays $75 per light per year for 65 arc of 1,200 candles, burning till 2 A. M. 25 nights per month. Contract expires annually in June. Owned by parent company.

TICONDEROGA. Ticonderoga Electric Light and Power Co. Capital stock, $16,000; paid in, $8,000. A. H. Weell, President. G. S. Clark, Secretary. W. H. Prescott, Electrician. Thomson-Houston system. Water Power. G 85.

TROY. Troy Gas Co. Brush, Thomson-Houston, United States, Edison, Westinghouse and American systems. X X H.

UTICA. Equitable Gas and Electric Co. Capital stock, $400,000; all paid in. R. W. C. Graham, President. H. Keene, Vice-President and Treasurer. Harold Graham, Secretary and Manager. Thomson-Houston dynamos. Capacity of station, 200 arc. Straight line engines, Curtis boilers. Ju.

Utica Electric Light Co. Capital stock, $150,000; all paid in. H. D. Pixley, President. M. J. Brayton, Secretary, Treasurer and General Manager. A. W. Rieling, Electrician. Annual meeting held in January. 2 Slattery, 17 Jenney dynamos. Capacity of station, 510 arc, 2,000 inc. In use, 60 commercial arc, 380 public street arc, 2,000 commercial inc. 1 Corliss, 1 Woodberry engine, 6 Curtiss boilers, Hill clutches, 45 miles of street circuits. City pays $127.75 per light per year for 380 arc of 2,000 candles, burning 11 hours every night. Contract expires in December, 1892. W G.

WATERLOO. Waterloo Electric Co. Capital stock, $30,000; all paid in. Francis Bacon, President. A. G. Mercer, Secretary and Electrician. George Clark, Superintendent. Annual meeting held in January. 3 Excelsior, 2 Edison dynamos. Capacity of station, 90 arc, 800 inc. In use, 28 commercial arc, 50 public street arc, 1,100 commercial inc. 2 McIntosh & Seymour engines, 2 Ryan & McDonald boilers, Ansonia wire, 10 miles of street circuits. City pays $60 per light per year for 50 arc of 2,000 candles, burning till midnight on moon schedule. S S H.

WATERTOWN. Watertown Electric Light Co. Capital stock, $15,000; all paid in. D. C. Middleton, President. W. H. Moon, Secretary. John C. Fagan, Superintendent and Electrician. Annual meeting held in July. 1 American, 2 Thomson-Houston alternating, 6 Excelsior dynamos. Capacity of station, 230 arc, 1,250 inc. In use, 40 commercial arc, 108 public street arc, 750 commercial inc. Water power, Cranston clutches, Ansonia wire, 20 miles of street circuits. City pays 28 cents per

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light per night for 108 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in December, 1890. P P G.

WATERVLIET. Watervliet Electric Light Co. 75.

WAVERLY. Brush Electric Light and Power Co. Capital stock, $20,000; paid in, $9,500. Stephen Hopkins, President. Percy L. Long, Secretary. J. P. Shepherd, Electrician. Annual meeting held in January. Brush dynamos. Capacity of station, 20 arc, 300 inc. In use, 18 commercial arc, 7 public street arc, 330 commercial inc. Payne engines and boilers, Roebling wire. City pays 30 cents per light per night for 7 arc of 2,000 candles, burning till midnight on moon schedule. N F.

WEST TROY. West Troy Electric Light Co. 6 Knowles dynamos. Capacity of station, 150 arc. In use, 52 public arc. Phœnix engine, Phœnix boiler, Ansonia wire, 12 miles of circuits. 75.

WHITE PLAINS. White Plains Gas and Electric Co. Capital stock, $100,000. Jas. T. Waller, President. Newton F. Curtis, Secretary. Stephen Howes, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity of station, 30 arc. In use, 3 commercial arc, 21 inc., 18 public arc. 1 Porter engine, 1 boiler, Schieren belts, Ansonia wire, 5 miles of circuits. 90.

YONKERS. Thomson-Houston Electric Light Co. H. L. Storke, President. J. J. Moore, Secretary. R. E. Alexander, Superintendent. T. A. Alexander, Electrician. 5 Thomson-Houston dynamos. Capacity of station, 130 arc, 1,700 inc. 2 Rice engines, 2 Greenpoint boilers, Shultz belts. Ju.

Yonkers Schuyler Co. Edward May, President. Harry Sanderson, Secretary. S. C. North, Superintendent and Electrician. 4 Schuyler, 1 Ft. Wayne Jenney alternating dynamo. Capacity of station, 180 arc, 1,000 inc. In use, 87 commercial arc, 500 inc., 55 public arc. 1 Ball, 1 Russell, 1 Buckeye engine; 1 Ball, 1 Russell, 1 Buckeye boiler, leather belts, New York Safety wire. Ju.

NORTH CAROLINA.

ASHEVILLE. Asheville Light and Power Co. Capital stock, $100,000; all paid in. J. G. Martin, President. T. W. Patton, Secretary. John H. Barnard, Superintendent and Electrician. 1 Edison, 2 Indianapolis Jenney, 1 Brush dynamo. Capacity of station, 60 arc, 300 inc. In use, 300 inc. 2 Armington & Sims, 1 Atlas high speed engine, 2 Pond and Atlas boilers, 2 Schieren belts, K. & K. wire, 8 miles of circuits. Ju.

CHARLOTTE. Charlotte Electric Light Co. Capital stock, $50,000; paid in, $25,000. R. J. Brevard, President. E. R. Dodge, Manager and Electrician. 5 Thomson-Houston dynamos. Capacity of station, 95 arc, 1,150 inc. In use, 12 commercial arc, 85 public street arc, 1,000 commercial inc. 2 Ball engines, Bigelow and Erie boilers, Schieren belts, K. K. and Okonite wire, 22 miles of street circuits. City pays $108 per light per year for 85 arc of 1,200 candles, burning on moon schedule. Contract expires in August, 1891. Ju.

CONCORD. Concord Electric Light Co. Capital stock, $12,000; paid in, $10,000. J. M. Odell, President. J. W. Connor, Secretary. W. M. Warren, Superintendent. W. A. Caldwell, Electrician. Annual meeting held in April. 2 Edison dynamos. Capacity of station, 1,000 inc. In use, 500 commercial inc., 100 public street inc. Ideal engine, Carey boiler, Hoyt belt, Roebling wire. City pays $13.33 per light per year for 100 inc. of 20 candles, burning all night on moon schedule. Contract expires in May, 1909. P F.

DURHAM. Durham Electric Lighting Co. Capital stock, $18,000; all paid in. J. S. Carr, President. Geo. W. Watts, Secretary and Superintendent. Annual meeting 2d Tuesday in March. 3 Thomson-Houston dynamos. Capacity of station, 95 arc. In use, 34 commercial arc, 65 inc. 1 Ball engine, 1 Ball boiler, Shultz belts. Moore wire, 3 miles of circuits. Ju.

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FAYETTEVILLE. Fayetteville Gas Co. Capital stock, $50,000; all paid in. N. W. Roy, President. J. P. Thomson, Secretary and Superintendent. Annual meeting held in June. 1 Brush dynamo. Capacity of station, 48 arc. In use, 37 commercial arc. Water power, 6¼ miles of street circuit. R H.

GOLDSBORO. Goldsboro Electric Light Co. Owned and operated by the Thomson-Houston Co. A. I. Plaisted, Electrician. 2 Thomson-Houston dynamos. Capacity of station, 45 arc, 650 inc. In use, 10 commercial arc, 6 public street arc, 371 commercial inc., 80 public street inc. 1 Russell engine, Cunningham boiler, Schieren belts, Simplex and K. K. wire, 10 miles of street circuits. City pays $100 per light per year for 6 arc of 1,200 candles and $20 for 80 inc. of 25 candles, burning all dark hours. Contract made June 1, 1890.

GREENSBORO. Greensboro Electric Light Co. Capital stock, $35,000; paid in, $15,000. B. W. Scott, President. E. P. Wharter, Secretary. H. B. Peters, Superintendent. A. Gunderman, Electrician. Annual meeting held March 10. Thomson-Houston dynamos. Capacity of station, 60 arc. In use, 50 public arc. 1 Ball engine, Richmond boiler, 5 miles of circuits. S G.

HENDERSON. Henderson Electric and Gas Light Co. Capital stock, $26,000. Wm. H. S. Burgwyn, President. J. P. Taylor, Secretary. Charles Irons, Superintendent. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 6 commercial arc, 17 public street arc. Ball engines, Erie boilers, 4 miles of street circuits. City pays $100 per light per year for 17 arc of 1,200 candles, burning all of every night. Contract expires in May, 1893. Ju.

HICKORY. Hickory Electric Co. Capital stock, $12,000; paid in, $9,000. A. A. Shafford, President. H. D. Aberntly, Secretary. J. A. Martin, Superintendent. R. L. Hagis, Electrician. 2 Brush dynamos. Capacity of station, 20 arc, 225 inc. In use, 8 commercial arc, 7 public street arc, 200 commercial inc. Westinghouse engine and boiler, Hoyt belts, 5 miles of street circuits. City pays $96 per light per year for 7 arc of 2,000 candles, burning till midnight on moon schedule. P F.

NEW BERNE. New Berne Electric Light and Power Co. 75.

OXFORD. Oxford Electric Light, Power and Water Co. Capital stock, $21,000; all paid in. H. C. Herndon, President. W. H. Hunt, Secretary. J. H. Carlisle, Electrician. Annual meeting held in June. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 20 commercial arc, 13 public street arc, 83 commercial inc., 5 public street inc. Ball engines, 8 miles of street circuits. City pays $100 per light per year for 13 arc of 2,000 candles and $15 for 5 inc. of 25 candles, burning all of every night. Contract expires in June, 1891. Ju.

RALEIGH. Thomson-Houston Electric Co. Capital stock, $32,000. R. T. Gray, President. Julius Lewis, Vice-President and Superintendent. G. F. Leach, Secretary and Treasurer. 2 Thomson-Houston dynamos. Capacity of station, 55 arc. 1 Westinghouse engine. R H

REIDSVILLE. Reidsville Electric Light and Power Co. Capital stock, $1,400. J. F. Rison (Danville, Va.), President. A. Gust (Danville), Secretary. C. A. Ballou, Superintendent. W. E. Moore, Electrician. 1 Thomson-Houston dynamo. Capacity of station, 55 arc. In use, 22 commercial arc, 19 public street arc. 1 Taylor engine and boiler, Munson belts, K. K. wire, 7 miles of street circuits. City pays $100 per light per year for 18 arc of 1,200 candles, burning all of every night. Contract expires annually in August. Ju.

STATESVILLE. City of Statesville. Capital stock, $10,000. D. A. Miller, Mayor. W. A. Lawrence, Electrician. 2 Brush dynamos. Capacity of station, 30 arc, 300 inc. In use, 30 public street arc, 200 commercial inc. 2 Westinghouse engines, 1 D. A. Tompkins boiler, Underwriters' wires, 6 miles, of street circuits.

WILMINGTON. Wilmington Gas Light Co. Capital stock, $100,000. E. S. Martin,

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President. R. J. Jones, Secretary. John W. Riley, Superintendent and Electrician. Annual meeting held in April. Thomson-Houston dynamos. Capacity of station, 100 arc, 650 inc. In use, 12 commercial arc, 51 public street arc, 500 commercial inc. Ball engines and boilers, Schieren belts, K. K. wire, 9 miles of street circuits. City pays $120 per light per year for 51 arc of 2,000 candles, burning on moon schedule. Contract expires annually. W H.

WINSTON. Winston Electric Light and Motive Power Co. Capital stock, $30,000; paid in, $15,000. W. A. Whitaker, President. S. E. Allen, Secretary. J. W. McFarland, Superintendent and Electrician. Annual meeting held in May. 2 Brush dynamos. Capacity of station, 45 arc, 500 inc. In use, 41 commercial arc, 375 inc. 1 high speed Ball engine, 1 Erie boiler, Schieren belts, Moore's wire, 87 miles of circuits. R H.

NORTH DAKOTA.

BISMARCK. Bismarck Electric Light and Power Co. Capital stock, $35,000. C. R. Gillman, President. T. E. Moore, Secretary, Superintendent and Electrician. Annual meeting held in June. 3 Thomson-Houston, 1 Slattery dynamo. Capacity of station, 30 arc 1,200 inc. In use, 10 commercial arc, 900 inc. 2 Russell high speed engines, 3 Russell boilers, Herkner belts, 8 miles of street citcuits. Ju.

FARGO. Fargo Gas and Electric Co. Capital stock, $250,000; paid in, $100,000. V. S. Stone, President. S. Newman, Secretary. E. P. Ingram, Superintendent and Elec trician. Thomson-Houston and Brush dynamos. Capacity of station, 65 arc, 1,000 inc. In use, 14 commercial arc, 20 public street arc, 900 commercial inc. Corliss and Russell engines, Indianapolis and Hazleton boilers, Ireson belts, Hill clutches, Roebling wire, 6 miles of street circuits. City pays $240 per light per year for 20 arc of 2,000 candles, burning all of every night. S G.

GRAFTON. Grafton Electric Light Co. Capital stock, $50,000; all paid in. W. C. Scistikon, President. T. H. Tharalson, Secretary. T. F. McHugh, Superintendent. John O. Coole, Electrician. 1 Westinghouse dynamo. Capacity of station, 500 inc. In use, 400 commercial inc., 30 public street inc. 1 Westinghouse engine, Munson belts. City pays $35 per light per year for 30 inc. of 16 candles, burning on moon schedule till 12.30 A. M. Contract expires in October, 1909. Ju.

GRAND FORKS. Grand Forks Gas and Electric Co. Capital stock, $200,000; paid in, $60,000. A. S. Brooks, President. A. C. Labrie, Secretary. W. J. Murphy, General Manager. T. Raycraft, Superintendent and Electrician. Annual meeting held in January. Brush and Thomson-Houston dynamos. Capacity of station, 30 arc, 1,200 inc. In use, 5 commercial arc, 300 commercial inc., 30 public street inc. 2 Otto gas engines, Munson belts, Hill clutches, Underwriters' wire, 1 mile of street circuits. Company lights the city with gas. V V H.

JAMESTOWN. Jamestown Electric Light Co. Capital stock, $35,000. Anton Klaus, Sr., President. Charles H. Rattinger, Secretary and Treasurer. David Mitchell, Electrician. Brush and Edison systems. 1 Atlas engine. Ju.

WAHPETON. Wahpeton Electric Light Co. Capital stock, $20,000. E. P. Gilman, President. W. G. Whitcomb, Secretary. A. L. Croxton, Superintendent and Electrician. Annual meeting 1st Monday in June. 2 dynamos. Capacity of station, 30 arc, 10 public arc and 500 inc. In use 9 commercial arc, 300 inc. 1 Russell high speed engine, Thomson-Houston wire, 6 miles of circuits. 100.

OHIO.

ADA. Ada Electric Light Co. Capital stock, $10,000; all paid in. J. G. Park, President. W. W. Crooks, Secretary. J. Brewer, Superintendent. J. M. Bodge, Electrician. Annual meeting held in December. 2 Silvey dynamos. Capacity of station,

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35 arc, 600 inc. In use, 25 public street arc, 550 commercial inc. 1 Ball engine. City pays $75 per light per year for 25 arc of 2,000 candles, burning till 1 A. M. on moon schedule. Contract expires in January, 1894. P P G.

AKRON. Akron Electric Light and Power Co. Capital stock, $50,000. George G. Baker, President. R. H. Wright, Secretary. W. J. Hillier, Superintendent and Electrician. Brush system, 2 Armington & Sims engines. V H.

Citizens' Electric Light Co. Capital stock, $60,000. Henry Robertson, President. O. D. Childs, Secretary. 211 Thomson-Houston lights. V H.

ALLIANCE. Alliance Gas and Electric Co. Capital stock, $50,000. Elisha Teetus, President. W. W. Cantine, General Manager. 105 Western Electric lights. V G.

ASHTABULA. Ashtabula Water Supply Co. Theo. Hall, President. C. B. Ludwig, New York, Secretary. O. B. Clark, Superintendent. A. B. Phillips, Electrician. 2 American dynamos. Capacity of station, 60 arc. In use, 22 commercial arc, 26 public street arc. 1 engine, 2 Hazleton boilers, 13 miles of street circuits. City pays $60 per light per year for 26 arc of 2,000 candles, burning till midnight on all dark nights. Contract expires annually in May. Ju.

ATHENS. Athens Gas Light and Electric Co. Capital stock, $10,000; all paid in. J. M. Welch, President. C. H. Welch, Secretary, Superintendent and Electrician. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 6 commercial arc, 37 public street arc. 1 Beck engine, Taylor boilers, link belts, K. K. wire, 11¼ miles of street circuits. City pays $80 per light per year for 32 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires in October, 1892. P P H.

BARNESVILLE. Barnesville Gas and Electric Light Co. Not yet in operation.

BELLAIRE. Bellaire Gas and Electric Co. Capital stock, ———; paid in, $75,000. Owen Mechan, President. Miller Booth, Secretary. John Ferguson, Superintendent and Electrician. Annual meeting held in May. 2 Thomson-Houston dynamos. Capacity of station, 70 arc. In use, 9 commercial arc, 47 public street arc. Ball engines and boilers. P. & B. and Simplex wire, 11 miles of street circuits. City pays $90 per light per year for 47 arc of 2,000 candles, burning all of every night. Contract expires in December, 1891. V V H.

BRIDGEPORT. Bridgeport Electric Light and Power Co. 75.

BRYAN. Bryan Electric Co. Capital stock, $30,000; paid in, $27,000. W. A. Sheldon, President. T. Q. Waterhouse, Secretary and Superintendent. F. M. Conrad, Electrician. Annual meeting held in April. 3 Schuyler dynamos. Capacity of station, 105 arc. In use, 58 commercial arc, 42 public street arc. 1 Beck engine and boiler, cotton leather belts, K. K. wire, 20 miles of street circuits. City pays $75 per light per year for 42 arc of 2,000 candles, burning all of every night. Contract expires in September, 1891. Owned by Schuyler Electric Co. 70.

BUCYRUS. Bucyrus Electric Light Co. J. B. Gormly, President. J. W. Gwynn, Superintendent. John F. Watt, Electrician. 4 Western dynamos. Capacity of station, 100 arc. In use, 20 commercial arc, 60 public street arc. 1 Buckeye engine, 1 Babcock & Wilcox boiler, Akron belts, Underwriters' wire, 14 miles of street circuits. City pays $100 per light per year for 60 arc of 2,000 candles, burning on all dark nights. Contract expires annually in June. G 85.

CAMBRIDGE. Cambridge Electric Light and Telephone Co. Capital stock, $20,000. Eugene Ingold, President and Manager. William Butler, Superintendent and Electrician. American and Fort Wayne Jenney systems, 1 Ball engine. N G. Ju.

CANTON. Canton Electric Light and Power Co. Capital stock, $50,000; paid in, $100,000. J. W. Underhill, President. Charles R. Miller, Secretary. H. M. Lyman, Superintendent and Electrician. 2 Edison, 1 Brush and 7 Schuyler dynamos. Capacity of station, 275 arc, 1,600 inc. In use, 185 commercial arc, 90 public street

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arc, 1,800 commercial inc. 2 Russell engines, 3 Russell boilers, various belts and wire, 10 miles of street circuits. City pays $70 and $100 per light per year for 90 arc of 2,000 candles, burning all night, part every night and balance on moon schedule. Contract expires in June, 1892. V G.

CHILLICOTHE. Juneman Electric Light Co. Capital stock, $45,000. Mrs. A. Juneman, Owner. C. H. Juneman, General Manager. 1 United States and 4 Brush dynamos. Capacity of station, 180 arc, 250 inc. In use, 15 commercial arc, 141 public street arc, 247 commercial inc., 3 public street inc. American belts, Underwriters' wire, 35 miles of street circuits. City pays $80 per light per year for 141 arc of 2,000 candles, burning on Philadelphia moon schedule. Contract expires July 1, 1891. F 85.

CINCINNATI. The Jones Bros. Electric Co. Capital stock, $100,000. W. H. Jones, President. F. A. Kelley, Secretary. C. E. Jones, Superintendent and Electrician. Annual meeting held in January. 3 Mather dynamos. Capacity of station, 3,000 inc. In use, 1,500 commercial inc. 1 150 h. p. Hamilton-Corliss and 1 150 h. p. high speed Beck engine, 2 McIlvain & Spiegel boilers, Joseph Sharp belts, Simplex and American wire, 50 miles of street circuits. Ju.

Cincinnati Electric Light Co. Capital stock, $600,000; paid in, $325,000. A. Hickenloafer, President. C. J. Foust, Secretary. C. F. Hesser, Superintendent. George F. Card, Electrician. Annual meeting held in February. 16 Fuller-Wood dynamos. Capacity of station, 800 arc, 5,000 inc. 2 Lane & Bodley Corliss engines, 6 Variety Iron Works boilers, Grayton & Knight and Sharp's belts, Hill clutches, Simplex and Okonite wire, 50 miles of street circuits Z Z H.

Brush Electric Light Co. Capital stock, $150,000. T. T. Robinson, President. H. Ryland, Secretary. H. E. Cooke, Superintendent and Electrician. Annual meeting held in January. 4 Thomson-Houston and 14 Brush dynamos. Capacity of station, 500 arc, 2,500 inc. In use, 400 commercial arc, 2,000 commercial inc. 1 Reynolds-Corliss, 2 Wright, 3 Buckeye and 1 Lane & Bodley engines, 8 tubular boilers, Hoyt belts, Hill and Eclipse clutches, 50 miles of street circuits. Y H.

Cincinnati Edison Illuminating Co. Capital stock, $100,000; paid in, $50,000. I. T. Robinson, President. O. M. Hubbard, Secretary. H. E. Cooke, Superintendent and Electrician. Annual meeting held in February. Edison dynamos. Capacity of station, 2,000 inc. In use, 3,200 commercial inc. 1 New York Safety and 2 Armington & Sims engines, 2 Root boilers, Hoyt belts, 10 miles of street circuits. W H.

The Hauss Electric Lighting and Power Co. Capital stock, $50,000; paid in, $30,000. Henry Varwig, President. F. M. Dillie, Secretary. David J. Hauss, Superintendent and Electrician. Annual meeting 1st Monday in January. 9 Hauss and 1 Indianapolis Jenney dynamo. Capacity of station, 80 arc, and 2,500 inc. In use, 75 commercial arc and 2,100 inc. 2 low speed Greenwald engines, 2 tubular boilers, Bradford and Shultz belts, Okonite, Candee, K. & K., P. & B. wires, 2 Oesterlien clutches, 6 Wellington, 6 Fee belt holders. R F.

Queen City Electric Light Co. Capital stock, $200,000; paid in, $100,000. G. B. Kerper, President. C. G. Lyman, Secretary. L. W. Davis, Superintendent and Electrician. Annual meeting held in February. Capacity of station, 7,000 inc. In use, 500 commercial inc. 1 Corliss, 3 Ball engines, 4 Lane and Bodley boilers, Oak Leather belts, Hill clutches, Roebling wire. Ju.

CIRCLEVILLE. Circleville Electric Light and Power Co. Capital stock, $20,000; all paid in. Joseph P. Smith, President. L. H. Sweetman, Secretary. B. Kathe, Superintendent. W. M. Todd, Electrician. Annual meeting held in January. 4 Edison dynamos. Capacity of station, 2,000 inc. In use, 1,500 commercial inc. 1 Ball and 1 Armington & Sims engine, 1 Babcox & Wilcox and 1 Brownell boiler, Link leather belts, Edison wire. P G.

CLEVELAND. Brush Electric Light and Power Co. Capital stock, $150,000. C. F. Brush, President. 2,000 Brush lights. W H.

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The Cleveland Electric Light Co. Capital stock, $100,000; paid in, $100,000. Hubbard Cooke, President. F. J. Strafford, Secretary and Superintendent. W. D. Groves, Electrician. Annual meeting 2d Tuesday in January. 38 Thomson-Houston dynamos. Capacity of station, 600 arc, 5,500 inc. In use, 550 commercial arc, 5,200 inc. 9 Westinghouse and 2 Armington & Sims high speed engines, 6 Otis boilers, Hoyt's belts, K. & K. wire, 62 miles of circuits, 10 Hill clutches. W H.

COLUMBUS. Columbus Edison Electric Light Co. Capital stock, $200,000; all paid in. Adolph Theobald, President. Arthur W. Field, Secretary. Annual meeting held in January. 8 Edison dynamos. Capacity of station, 6,400 inc. In use, 9,500 commercial inc. Armington & Sims engines, Abendroth & Root boilers, Underwood belts, K. K. wire, 3 miles of street circuits. Y H.

Columbus Gas Light and Coke Co. Capital stock, $720,000. Emerson McMillan, President. A. B. Robinson, Secretary. Irvin Butterworth, General Manager. Annual meeting held in April. 2 Westinghouse dynamos. Capacity, 2,600 lights. Plant being erected. Z Z H.

Columbus Electric Light and Power Co. Capital stock, $500,000; paid in, $300,000. E. T. Mithoff, President. J. G. McGrief, Secretary and Superintendent. John M. Plaisted, Electrician. Annual meeting held in January. 26 Thomson-Houston dynamos. Capacity of station, 1,150 arc, 1,100 inc. In use, 325 commercial arc, 800 public street arc, 1,085 commercial inc. 13 100 h. p. New York Safety engines, Heine boilers, 350 miles of street circuits. City pays $80 per light per year for 800 arc of 2,000 candles, burning all of every night. Z H.

CONNEAUT. Conneaut Electric Lighting Co. Capital stock, $10,000; paid in, $6,000. C. W. Pelton, President. C. Hayward, Secretary. W. H. Webb, Superintendent. Annual meeting held in May. 2 Thomson-Houston dynamos. Capacity of station, 310 inc. In use, 310 inc. 1 Webb high speed engine, 1 Erie City boiler, Peck's belts. P F.

COSHOCTON. Coshocton Light, Fuel and Power Co. Capital stock, $40,000; paid in, $25,000. Houston Hay, President. George A. Hay, Secretary and Superintendent. Willis Platt, Electrician. Annual meeting held in September. 3 Indianapolis Jenney dynamos. Capacity of station, 105 arc. In use, 27 commercial arc, 47 public street arc. Russell engine, 8 miles of circuits. City pays $77.33⅓ per light per year for 47 arc of 2,000 candles, burning till 1 A. M. every night. Contract expires in August, 1893. S G.

CRESTLINE. Crestline Electric Light Co. 30 Western electric lights. Owned by Cantine & Co. W G.

DAYTON. Dayton Electric Light Co. Capital stock, $200,000; all paid in. Dr. J. E. Lowes, President. J. C. Reber, Secretary. Albert Thomas, Superintendent and Electrician. Annual meeting held in January. 1 Thomson-Houston, 6 Ft. Wayne Jenney, 6 Edison dynamos. Capacity of station, 242 arc, 4,000 inc. In use, 48 commercial arc, 165 public street arc, 2,200 commercial inc. 2 Beck, 2 Buckeye engines, 6 boilers, 60 miles of street circuits. City pays $150 per light per year for 165 arc of 2,000 candles, burning all of every night. Contract expires in 1897. Y H.

DEFIANCE. The Definance Electric Light Co. Capital stock, $25,000; all paid in. E. N. Lewis, President. Andrew Sauer, Secretary. A. S. Krotz, Superintendent and Electrician. Annual meeting held February 11. 4 Western Electric dynamos. Capacity of station, 135 arc, 500 inc. In use, 45 commercial arc, 425 inc., 56 public arc. 2 Russell high speed engines, 3 Russell boilers, New York Belting Co.'s belts, Candee and Underwriters' wire, 20 miles of circuits. R G.

DENNISON. G. T. Fleming. Capital stock, $14,000. 2 Westinghouse dynamos. Capacity of station, 1,000 inc. In use, 750 commercial inc. 2 Westinghouse engines, 1 Erie City boiler, Standard Underground wire, 2 miles of street circuits. M F.

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EAST LIVERPOOL. East Liverpool Western Electric Co. Capital stock, $18,000. P. M. Smith, President. C. M. McKeehan, Secretary, Superintendent and Electrician. Annual meeting held in April. 1 United States, 3 Western dynamos. Capacity of station, 105 arc, 200 inc. In use, 35 commercial arc, 49 public street arc, 200 commercial inc. Buckeye and Ball engines, Erie City boilers, Standard Underground Cable Co. wire, 11 miles of street circuits. City pays $95 per light per year for 49 arc of 2,000 candles, burning all of every night. Contract expires in March, 1892. P P G.

EATON. Cook & Aydelott. Capital stock, $17,000; all paid in. Not incorporated. J. R. Cook, Superintendent. 3 Jenney dynamos. Capacity of station, 20 arc, 200 inc. In use, 13 commercial arc, 17 public street arc, 200 commercial inc. 1 Payne-Corliss engine, 1 Brownell boiler, Underwood belts, P. & B. and Underwriters' wire, 6 miles of street circuits. City pays $150 per light per year for 8 arc of 200 candles on towers, and $100 for 9 arc of 2,000 candles on poles, burning till midnight on moon schedule. Contract expires in December, 1891. Q 85.

FINDLAY. Findlay Electric Light and Power Co. B. P. Foster, Proprietor and Manager. Lorenzo Ely and Chas. Hoch, Electricians. 6 Thomson-Houston dynamos. Capacity of station, 200 arc, 1,000 inc. In use, 108 commercial arc, 125 public street arc, 642 commercial inc. 2 Russell engines, 3 Erie City boilers, Munson belts, Grimshaw wire, 40 miles of street circuits. City pays $60 per light per year for 125 arc of 2,000 candles, burning all of every night. Contract expires in September, 1893. F 85.

FOSTORIA. Fostoria Light and Power Co. A. E. Rood, President. W. H. Cray, Secretary and Treasurer. J. W. Kerr, Superintendent. H. M. O'Dell, Electrician. 2 Brush dynamos. Capacity of station, 110 arc. In use, 20 commercial arc, 43 public street arc. Armington & Sims and Atlas engines, Underwriters' wire, 10 miles of street circuits. City pays $75 per light per year for 43 arc of 2,000 candles, burning till midnight every night. Contract expires in 1891. R F.

FREMONT. Fremont Electric Light and Power Co. Capital stock, $20,000; all paid in. D. A. Rouck, President. W. H. Ford, Secretary. W. M. Adams, Superintendent and Electrician. Annual meeting held in January. 4 Thomson-Houston dynamos. Capacity of station, 155 arc. In use, 75 commercial arc, 70 public street arc. 2 Ball engines, Armstrong boilers, Akron belts. Ansonia wire, 30 miles of street circuits. City pays $90 per light per year for 70 arc of 2,000 candles, burning all of every night. Contract expires January 1, 1895. R G.

GALION. City Electric Light Plant. C. F. Eise, Superintendent. E. M. Nichols, Electrician. 3 Fort Wayne Jenney dynamos. Capacity of station, 90 arc, 600 inc. In use, 72 public street arc, 500 commercial inc. 1 Bass engine, 2 Mansfield boilers, Schieren belts, 16 miles of street circuits.

HAMILTON. Hamilton Electric Light Co. Capital stock, $50,000; all paid in. Joseph Andrews, President. W. J. Lynn, Secretary and Superintendent. 1 Thomson-Houston dynamo. Capacity of station, 30 arc, 90 inc. In use, 28 commercial arc, 90 commercial inc. 1 Westinghouse engine, 1 Brownell boiler, Munson belts, Underwriters' wire, 6 miles of street circuits. Ju.

HICKSVILLE. The Hicksville Electric Light Co. Capital stock, $10,000; paid in, $9,600. F. N. Horton, President. W. F. Horton, Secretary. W. A. Smith, Superintendent. Geo. L. Colgate, Electrician. Annual meeting held in March. 1 Schuyler dynamo. Capacity of station, 50 arc. In use, 20 commercial arc, 6 public street arc. 1 Beck engine, Dayton boilers, Underwood belts, 3 miles of street circuits. City pays $65 per light per year for 6 arc of 1,500 candles, burning every night till midnight. Contract expires in June, 1892. P F.

HILLSBORO. Hillsboro Gas and Electric Light Co. Capital stock, $20,000; all paid in. C. M. Overman, President. G. W. Bowers, Secretary and Superintendent. M. N. Lynn, Electrician. Annual meeting held in April. Thomson-Houston dynamos.

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Capacity of station, 70 arc. In use, 62 public street arc. Ball engines, Erie boilers, Trinidad wire, 11 miles of street circuits. City pays $70 per light per year for 62 arc of 2,000 candles, burning all of every night. Contract expires November 19, 1893. R H.

IRONTON. Ft. Wayne Electric Co. Putting in a plant. 75.

JACKSON. City of Jackson. J. H. Price, Manager. William Hackett, Electrician. 1 Thomson-Houston dynamo and 1 Edison. Capacity of station, 35 arc and 650 inc. 1 Ball engine.

KENT. Kent Water, Light and Power Co. 75.

KENTON. Kenton Gas and Electric Co. Not yet in operation.

LANCASTER. Lancaster Electric Light Co. Capital stock, $25,000; paid in, $14,000. H. C. Drinkle, President and Superintendent. Frank Bletzaeker, Secretary. Annual meeting held in January. 2 Western dynamos. Capacity of station, 50 arc. In use, 30 commercial arc, 15 public street arc. 1 Buckeye engine, 6 miles of street circuits. City pays $90 per light per year for 15 arc of 2,000 candles, burning every night till midnight. Ju.

LEBANON. Lebanon Light, Fuel and Power Co. Capital stock, $40,000. Ellsworth Benham, President. Geo. B. Van Horn, Secretary and Superintendent. E. F. Dunham, Electrician. Annual meeting held in January. 1 Slattery dynamo. Capacity of station, 600 inc. In use, 350 commercial inc., 171 public street inc. Russell engine, Jones Bros. boiler, Bradford belts. City pays $20 per light per year for 171 inc. of 25 candles, burning all of every night. Contract expires in April, 1894. P P G.

LEETONIA. Leetonia Electric Light and Power Co. Capital stock, $15,000; paid in, $5,000. J. C. Thullen, President. L. H. Thullen, Secretary and Manager. Annual meeting held in January. 1 Ft. Wayne alternating dynamo. Capacity of station, 600 inc. In use, 600 commercial inc., 161 public street inc. 1 Buckeye engine, Leetonia Boiler Works boilers, Rockfield belts, American wire, 21 miles of street circuits. City pays $17.50 per light per year for 161 inc. of 25 candles, burning on moon schedule. Contract expires in January, 1895. Also light Columbiana, 3½ miles distant. Q T.

LIMA. Lima Electric Light and Power Co. B. C. Faurot, President. S. W. Moore, Secretary and Superintendent. C. J. Duhl, Electrician. 1 Silvey, 1 Van Depoole and 8 Thomson-Houston dynamos. Capacity of station, 250 arc, 1,500 inc. In use, 121 public street arc. 4 Buckeye engines, 4 Brownell boilers. City pays $88 per light per year for 121 arc of 2,000 candles, burning on moon schedule. V G.

MANSFIELD. Mansfield Electric Light and Power Co. Capital stock, $25,000; all paid in. S. E. Bird, President. W. C. Hedges, Secretary. George S. Harris, Superintendent and Electrician. Annual meeting held in October. 3 Western dynamos. Capacity of station, 150 arc. In use, 24 commercial arc, 100 public street arc. 1 Putnam and 1 Buckeye engine, 2 boilers, 2 clutches, 21 miles of street circuits. City pays $95 per light per year for 100 arc of 2,000 candles, burning till midnight, all but 3 nights per month. Contract expires in March, 1892. S G.

Richland Electric Light and Power Co. Capital stock, $25,000; all paid in. Walsen Whittlesey (New York), Secretary. George M. Macey, Superintendent and Electrician. Annual meeting held in April. 2 Westinghouse alternating dynamos. Capacity of station, 1,500 inc. In use, 1,000 commercial inc. 2 Westinghouse engines, 1 Mansfield and 2 Aultman & Taylor boilers, Standard Underground Cable Co. wire, 4 miles of street circuits. P P G.

MARIETTA. Plant owned by city. $15,000 paid in. 2 Jenney dynamos. 70 arc of 2,000 candle power. 1 Buckeye high speed engine, 1 boiler, 10 miles of street circuits. Thomas Hancock.

MARION. Marion Electric Light and Power Co. Capital stock, $25,000; all paid in. A. H. Kling, President. H. B. Hane, Secretary. George E. Turner, Superintendent and

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Electrician. Annual meeting held in September. 1 Heisler and 3 Schuyler dynamos. Capacity of station, 115 arc, 250 (80 c. p.) inc. In use, 45 commercial arc, 67 public street arc, 200 commercial inc. 1 Ball and 1 Beck engine, 2 Huber boilers, Underwood belts, Roebling wire, 15 miles of street circuits. City pays $72 per light per year for 67 arc of 2,000 candles, burning till 3 A. M. 18 nights per month. S G.

MARYSVILLE. Marysville Electric Light and Power Co. John F. Zwemer, President and Superintendent. George M. McPeck, Secretary. 2 Edison dynamos. Capacity of station, 2,300 inc. In use, 2,300 commercial inc., 103 public street inc. 2 Russell engines, Armstrong and Erie boilers, W. H. H. Peck belts. City pays $16 per light per year for 103 inc. of 32 candles, burning till 2 A. M. on all dark nights. Contract expires in March, 1892. R R G.

MASSILLON. Massillon Electric Light Co. Capital stock, $50,000; all paid in. J. W. McClymonds, President. C. M. Russell, Secretary. Ira W. Fisher, Superintendent and Electrician. Annual meeting held in January. 1 Royal, 2 Edison, 5 Schuyler dynamos. Capacity of station, 200 arc, 900 inc. In use, 75 commercial arc, 90 public street arc, 600 commercial inc. 2 Russell engines and boilers, 16 miles of street circuits. City pays $70 per light per year for 90 arc of 2,000 candles, burning till 2 A. M. on all dark nights. Contract expires in 1894. V G.

MIAMISBURG. City Electric Light Plant. 2 35 light Thomson-Houston arc dynamos, and 1 500 light inc. dynamo. 1 100 h. p. Russell engine and boiler. Not yet in operation.

MIDDLETOWN. The Middletown Edison Electric Illuminating Co. Capital stock, $75,000; paid in, $42,000. A. Stewart, President. C. C. Hobart, Secretary, Superintendent and Electrician. Annual meeting 2d Monday in June. 4 Edison dynamos. Capacity of station, 2,200 inc. In use, 1,800 commercial inc. 1 Buckeye, 1 Armington & Sims engine, high speed, 2 B. & W. boilers, American Oak Leather Co. belts, various wires. S S H.

Middletown Gas Co. P F.

MILLERSBURG. Millersburg Schuyler Electric Co. J. P. Lucas, Superintendent. 1 Schuyler dynamo. Capacity of station, 45 arc. In use, 15 commercial arc, 12 inc., 23 public arc. 1 Ball engine, high speed, 1 Erie boiler, Underwood belts, K. & K. wire, 4 miles of circuits. Owned by Schuyler Electric Co.

MINERVA. Pennock Bros. 1 Ball dynamo. Capacity of station, 30 arc. In use, 16 commercial arc, 13 public street arc. Roebling wire, 2½ miles of street circuits. City pays $50 per light per year for 13 arc of 2,000 candles, burning till midnight 18 nights per month. Contract expires in July, 1891.

MT. VERNON. Mt. Vernon Electric Light Co. Capital stock, $35,000; all paid in. E. T. Jackson, President. P. B. Chase, Secretary. W. B. Wilkinson, Electrician. Annual meeting held in November. 4 Schuyler dynamos. Capacity of station, 150 arc. In use, 40 commercial arc, 90 public street arc. 1 Taylor engine and boiler, Akron belts, 20 miles of street circuits. City pays $78 per light per year for 90 arc of 2,000 candles, burning all of every night. S G.

NAPOLEON. Beard Electric Light Co. E. E. Decker, Secretary and Treasurer. Alfred Beard, Electrician and Manager. 5 Beard dynamos. Capacity of station, 40 arc, 250 inc. In use, 17 public street arc, 150 commercial inc. Hoyt belts, Shield brand wire, 6 miles of street circuits. City pays $125 per light per year for 16 arc of 2,000 candles, burning on moon schedule till 3 A. M. Contract expires in November, 1891. M G.

NELSONVILLE. Nelsonville Electric Light Co. 75.

NEWARK. Newark Electric Light and Power Co. Capital stock, $30,000; all paid in. Thomas Wood, Treasurer. Wm. Allen Veach, Superintendent. 1 Westinghouse inc., 2 Western arc dynamos. Capacity of station, 100 arc, 750 inc. In use, 38 commercial arc, 700 commercial inc. Williams & Westinghouse engines, 2 boilers, 10 miles of street circuits. S G.

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Newark Gas Light and Coke Co. Capital stock, $52,000. Jas. H. Smith, President and Superintendent. L. J. Johnson, Secretary. Annual meeting held in April. 2 Weston dynamos. Capacity of station, 50 arc. In use, 20 commercial arc, 30 public street arc. 1 Ball engine and boiler, 9 miles of street circuits. City pays $40 per light per year for 23 arc of 2,000 candles, burning till midnight every night. Contract expires in November, 1892. V G.

NEW LISBON. New Lisbon Gas Co. Capital stock, $36,000; all paid in. Robert G. Smith, President. Nicholas Way, Secretary. Annual meeting held in January. 1 Brush, 2 Edison dynamos. Capacity of station, 30 arc, 450 inc. In use, 29 public street arc, 372 commercial inc. Buckeye engines and boilers, Roebling wire. City pays $80 per light per year for 29 arc of 2,000 candles, burning on moon schedule till midnight, and from 4 A. M. till daylight. Contract expires in 1908. S S H.

NEW PHILADELPHIA. Light, Heat and Power Co. (New Philadelphia and Canal Dover). Capital stock, $52,000. J. L. McIlvaine, President. O. P. Saylor, Secretary. A. P. Ganz, Superintendent and Electrician. 3 Thomson-Houston dynamos. Capacity of station, 135 arc. In use, 30 commercial arc, 65 public street arc. 1 Taylor engine and boiler, Shield brand wire, 22 miles of street circuits. City pays $72 per light per year for 65 arc of 2,000 candles, burning till 1 A. M. on moon schedule. Contract expires in December, 1899. R H.

NORWALK. Norwalk Light and Power Co. Capital stock, $25,000; all paid in. John Young (Chicago, Ill.), President. W. M. Carpenter (Chicago, Ill.), Secretary. J. W. Foster, Superintendent and Electrician. Annual meeting held in March. 5 Western dynamos. Capacity of station, 150 arc. In use, 25 commercial arc, 82 public street arc. 1 Barney & Kilby engine and boiler, Shultz and Munson belts, Western Electric wire, 36 miles of street circuits. City pays $70 per light per year for 82 arc of 2,000 candles, burning every night till midnight. Contract expires in 1891. L F.

Norwalk Electric Light Co. 75.

OBERLIN. Oberlin Gas and Electric Co. Electric plant not yet in operation. G 75.

OXFORD. City of Oxford. C. A. Shera, President, and D. P. Beaton, Secretary of Board of Trustees. Wm. Overholtz and Wm. Smith, Electricians. Westinghouse dynamos. Capacity of station, 50 arc, 1,000 inc. In use, 2 commercial arc, 34 public street arc, 1,053 commercial inc., 14 public street inc. 3 45 h. p. Westinghouse engines, 2 75 h. p. Erie boilers, oak leather belts, 12 miles of street circuits. Lamps burn on moon schedule. Plant is owned by the city and managed by a board of 3 trustees.

PAINESVILLE. City Electric Light Plant. Cost, $15,000; owned by city. W. N. Collister, Superintendent and Electrician. 2 Western dynamos. Capacity of station, 90 arc. In use, 68 public street arc. Russell engine and boilers, Peck belts, Western wire, 16 miles of street circuits. Lamps burn till 2 A. M. on moon schedule.

PIQUA. Edison Electric Illuminating Co. and Piqua Electric Light and Power Co. Capital stock, $40,000. H. K. Wood, President. Henry Flesh, Secretary. H. B. Brooks, Superintendent and Electrician. 4 Edison, 2 Thomson-Houston dynamos. Capacity of station, 35 arc, 3,300 inc. In use, 23 commercial arc, 7 public street arc, 3,500 commercial inc., 215 public street inc. 1 Armington & Sims, 1 Buckeye, 2 Phœnix engines, Buckeye, Babcock & Wilcox and Phœnix boilers, Sharp, Schieren and oak leather belts, K. K. and Shield brand wire, 60 miles of street circuits. City pays Piqua Electric Light and Power Co. $100 per light per year for 7 arc of 2,000 candles, and $18 for 215 inc. of 20 candles, burning all of every night. Contract expires October 1, 1894. These two companies operate together under one roof, but have separate charters and stock. S S H.

POMEROY. Pomeroy and Middleport Electric Co. Capital stock, $30,000; all paid in. Austin W. Vorhes, President. James P. Wood, Secretary. E. S. Trussell, Superintendent. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity

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of station, 75 arc. In use, 50 commercial arc, 25 public street arc. 1 Taylor engine and boiler, Underwood belts, 15 miles of street circuits. City pays $96 per light per year for 25 arc of 2,000 candles, burning all night on moon schedule. Contract expires in October, 1894. Ju.

PORTSMOUTH. Portsmouth Gas and Electric Co. Capital stock, $100,000. W H 75.

City of Portsmouth. John A. Turley, Mayor. S. G. McCollock, City Clerk. John B. Rottinghaus, Chairman of Committee. Plant owned by city, contract made 1885. 96 arc of 1,200 candle power. Thomson-Houston system.

RAVENNA. Ravenna Gas and Electric Light Co. J. Linton, President. W. H. Beebe, Secretary. W. H. Linton, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 7 commercial arc, 43 public street arc. 1 Russell engine and boiler, Bodifield belts, Shield brand wire, 9½ miles of street circuits. City pays $75 per light per year for 43 arc of 2,000 candles, burning 11 hours per night on moon schedule. Contract expires in January, 1892. V G.

SALEM. Salem Electric Light and Power Co. The firm is composed of M. Davis, D. W. Davis and D. L. Davis 6 Westinghouse dynamos. Capacity of station, 20 arc, 2,250 inc. In use, 11 public street arc, 1,500 commercial inc., 291 public street inc. 3 Buckeye engines, 2 boilers, Ansonia wire, 27 miles of street circuits. City pays $72 per light per year for 11 arc of 1,200 candles, and $12 for 291 inc. of 25 candles, burning on all dark nights. Contract expires in April, 1893. S S H.

SANDUSKY. Sandusky Electric Light, Fuel Gas and Supply Co. Capital stock, $150,000; all paid in. H. C. Post, President. Thos. Wood, Secretary and Superintendent. A. Schmidt, Electrician. Annual meeting held in April. 1 Westinghouse, 5 Brush dynamos. Capacity of station, 220 arc, 1,500 inc. In use, 50 commercial arc, 130 public street arc, 1,000 commercial inc. 3 Barney & Kilby engines, 4 boilers, 24 miles of street circuits. City pays $100 per light per year for 130 arc of 2,000 candles, burning all of every night. Contract expires in January, 1892. W H.

Sandusky Gas Co. W H 75.

SIDNEY. Sidney Gas Light Co. 75.

Sidney Electric Light Co. 75.

SPRINGFIELD. Champion Electric Light Co. Capital stock, $125,000; all paid in. C. H. Pence, President. H. E. Chubbuck, Secretary, Superintendent and Electrician. Annual meeting held in January. Thomson-Houston, Westinghouse and Slattery dynamos. Capacity of station, 220 arc, 3,500 inc. In use, 125 commercial arc, 60 public street arc, 2,500 commercial inc. 1 Buckeye, 1 Ball, 4 Washington engines, 4 100 h. p. boilers, Hunter clutches. City pays $125 per light per year for 60 arc of 2,000 candles, burning all of every night. Contract expires annually. S S H.

STEUBENVILLE. The Steubenville Gas and Electric Co. Capital stock, $300,000. R. Sherrard, Jr., President. Geo. W. McCook, Secretary. J. Gwynn, Manager. J. F. Flood, Electrician. Annual meeting held in January. 3 Westinghouse, 2 Western dynamos. Capacity of station, 270 arc, 2,250 inc. In use, 41 commercial arc, 23 public street arc, 1,500 commercial inc., 184 public street inc. 4 Buckeye engines and boilers, Munson belts, 55 miles of street circuits. City pays $75 per light per year for 23 arc of 2,000 candles and 184 inc. of 25 candles, burning all of every night. Contract expires in February, 1894. Z G.

TIFFIN. Tiffin Edison Electric Illuminating Co. Capital stock, $28,000; paid in, $27,700. J. F. Bunn, President. C. J. Yingling, Secretary. A. J. Camp, Superintendent and Electrician. Annual meeting held in January. 2 Edison dynamos. Capacity of station, 1,600 inc. 1 Armington & Sims engine, 1 Babcok & Wilcox boiler, Underwood belts, K. K., Edison and Shield brand wire, 9 miles of street circuits. R R G.

Tiffin Electric Light Co. G. E. Seney, President. H. McCall, Secretary and Superintendent. J. Sharp, Electrician. 4 Western dynamos. Capacity of station, 200 arc.

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In use, 36 commercial arc, 116 public street arc. 2 125 h. p. Russell engines and boilers, 30 miles of street circuits. City pays $88 per light per year for 116 arc of 2,000 candles, burning all of every night. Contract expires in March, 1894. V G.

TOLEDO. The Toledo Electric Co. Capital stock, $200,000; all paid in. Edward W. Wilson, President. F. B. Dodge, Secretary. N. C. Stevens, Superintendent. W. S. Smith, Electrician. Annual meeting held in January. 22 Brush and Thomson-Houston dynamos. Capacity of station, 600 arc, 3,500 commercial inc. 2 Ball, 1 Woodbury, 2 Westinghouse, 4 Armington & Sims engines, 8 boilers, Akron and Schieren belts, New York Insulated Wire Co. wire. City pays $100 per light per year for 255 arc of 2,000 candles, burning all of every night. Contract expires in December, 1894. W H.

Western Electric Light and Power Co. Capital stock, $20,000. S. M. Young, President. H. S. Young, Secretary. C. R. Faben, General Manager. Annual meeting held in June. 14 Western dynamos. Capacity of station, 560 arc. In use, 150 commercial arc, 282 public street arc. 1 Russell, 2 Barney & Kilby engines, 4 Brownell boilers, 90 miles of street circuits. City pays $100 per light per year for 282 arc of 2,000 candles, burning all of every night. Contract expires in January, 1894. Owned by Toledo Gas Light and Coke Co. Z Z H.

TORONTO. Toronto Electric Light and Power Co. Capital stock, $15,000; paid in, $14,300. Samuel B. Gowcher, President. E. E. Francy, Secretary. C. S. Hassenplug, Superintendent and Electrician. 2 Edison dynamos. Capacity of station, 15 arc, 750 inc. In use, 14 commercial arc, 550 commercial inc. 1 Cooper-Corliss engine and boiler, Roebling wire, 3 miles of street circuits. P P G.

TROY. Troy Electric Light and Power Co. 75.

VAN WERT. Citizens' Electric Light and Power Co. Capital stock, $30,000; all paid in. Levi Meredith, President. Geo. W. Beers, Secretary. L. Meredith, Superintendent. James A. Reed, Electrician. Annual meeting held in January. 3 Thomson-Houston dynamos. Capacity of station, 75 arc, 650 inc. In use, 25 commercial arc, 51 public street arc, 243 commercial inc. 1 Phœnix engine and boiler, 13 miles of street circuits. City pays $84 per light per year for 51 arc of 2,000 candles, burning all of every night. Contract expires in December, 1890. R F 102.

WASHINGTON C. H. Washington Electric Light, Heat and Power Co. Capital stock, $10,000; all paid in. Morris Short, President. Jerome Penn, Secretary and Superintendent. George Swat, Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 100 arc. In use, 23 commercial arc, 51 public street arc, 3 commercial inc. 1 Russell engine and boiler, Oak Leather belts, K. K. wire, 10 miles of street circuits. City pays $156 per light per year for 51 arc of 1,200 candles, burning on moon schedule. Contract expires in August, 1895. S G.

WELLSVILLE. Citizens' Electric Light and Power Co. Capital stock, $20,000; paid in, $12,500. Charles C. Lawson, President. Austin G. Mackenzie, Secretary. Morris C. Tarr, Superintendent. George W. Culnon, Electrician. Annual meeting held in January. 2 Westinghouse dynamos. Capacity of station, 70 arc. In use, 18 commercial arc, 41 public street arc, 40 (series) commercial inc. 1 Buckeye engine and boiler, Akron belts, Standard Underground Cable Co. wire, 6 miles of street circuits. City pays $70 per light per year for 41 arc of 2,000 candles, burning every night till midnight. Contract expires in December, 1890. N F.

WOOSTER. Wooster Electric Co. Capital stock, $50,000; all paid in. James Mullins, President. J. B. Taylor, Vice-President. C. A. McDonald, Secretary. C. O. Hurd, Treasurer. W. L. Firectone, Superintendent. Lawrence Bower Billiar, Electrician. Annual meeting held in February. 2 Edison, 3 Schuyler dynamos. Capacity of station, 100 arc, 450 inc. In use, 26 commercial arc, 69 public street arc, 400 commercial inc. 2 Russell engines and boilers, Akron belts, Ansonia wire, 16 miles of street circuits. City pays $60 per light per year for 69 arc of 2,000 candles, burning on Philadelphia moon schedule. Contract expires in 1898. S G.

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WYOMING. Wyoming Light, Water, Heat and Power Co. Capital stock, $25,000; all paid in. Wm. Schuberth, Jr., President. C. F. Woodruff, Jr., Secretary. L. G. Lilley, Superintendent and Electrician. Annual meeting held in March. 1 Westinghouse alternating dynamo. Capacity of station, 750 inc. In use, 1,500 commercial inc., 114 public street inc. 1 Westinghouse compound engine, tubular boiler, American belts, Standard Underground and Okonite wires, 13 miles of street circuits. City pays $20 per light per year for 114 inc. of 25 candles, burning on moon schedule. Contract expires in September, 1899. P P G.

XENIA. Xenia Electric Light and Power Co. Capital stock, $10,000. R. I. Stewart, President. R. R. Knowles, Secretary. James Breyman, Electrician. 1 Thomson-Houston and 1 Edison dynamo. Capacity, 35 arc and 300 inc. 1 Ball and 1 Phœnix engine. P G.

City of Xenia Plant. Owned by city. 75.

YOUNGSTOWN. The Mahoning Electric Light Co. Capital stock, $60,000; all paid in. Geoge Tod, President. P. T. Caldwell, Secretary. M. Coombs, Superintendent. Annual meeting held in January. 7 Thomson-Houston dynamos. In use, 277 commercial arc, 183 public arc. 1 Armington & Sims, 2 Porter engines, 3 Pollock boilers, Childs belts, Ansonia wire, 43 miles of circuits. Ju.

Youngstown Gas Co. Electric plant not in operation.

ZANESVILLE. Zanesville Electric Light Co. Capital stock, $75,000; paid in, $70,000. Francis Wedge, President. F. A. Durham, Secretary. C. A. Dault, Superintendent. Annual meeting held in February. 10 Western dynamos. Capacity of station, 600 arc. In use, 140 commercial arc, 150 public street arc. Russell and Griffith & Wedge engines, 5 Griffith & Wedge boilers, 30 miles of street circuits. City pays $87.50 per light per year for 150 arc of 2,000 candles, burning till midnight every night, and on moon schedule after midnight. Contract expires in October, 1890. V G.

OREGON.

ALBANY. Albany Electric Light, Power and Telephone Co. Capital stock, $30,000; all paid in. W. F. Read, President. N. H. Allen, Secretary and Manager. E. E. Goff, Electrician. Annual meeting held in July. Schuyler, Heisler and Westinghouse dynamos. Capacity of station, 75 arc, 800 inc. In use, 40 commercial arc, 17 public street arc, 500 commercial inc., 3 public street inc. Russell and Westinghouse engines, Negley and Russell boilers, K. K. wire, 15 miles of street circuits. City pays $150 per light per year for 17 arc of 2,000 candles and for 3 inc. of 30 candles, burning all of every night. Contract expires in July, 1893. S G.

ALBINA. Albina Light and Water Co. Capital stock, $50,000; all paid in. G. W. Bates, President and Superintendent. C. F. Swigert, Secretary. 2 Edison dynamos. Capacity of station, 1,000 inc. Ball engine and boiler. 65.

ALBION. Albion Electric Light Co. 75.

ASHLAND. Ashland Electric Light and Power Co. 75.

ASTORIA. Astoria Electric Co. 2 Thomson-Houston dynamos. Capacity of station, 100 arc. In use, 59 commercial arc. 2 Ball engines. 75.

BUTLER. Butler Electric Light Co. 75.

CORVALLIS. Corvallis Electric Light and Power Co. Capital stock, $20,000; paid in, $12,000. L. L. Hurd, President. J. M. Porter, Secretary. Annual meeting held in February. Westinghouse dynamos. Capacity of station, 500 inc. In use, 270 commercial inc., 33 public street inc. Westinghouse engines, Nagle boilers, Shultz belts, Standard Underground Cable Co. wire, 2 miles of street circuits. City pays $36 per light per year for 33 inc. of 16 candles, burning all of every night. Ju.

DALLAS. Dallas Electric Light Co. D. L. Riley, Superintendent. A. L. Shreve, Electrician. 1 Schuyler dynamo. Capacity of station, 35 arc. In use, 10 commercial

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arc, 10 public street arc. Page belts, Roebling wire, 5 miles of street circuits. City pays $90 per light per year for 10 arc of 2,000 candles, burning every night till midnight. Ju.

EAST PORTLAND. H. A. Hogue, Owner. D. H. Jones, Secretary. G. B. Frost, Electrician. Heisler dynamos. In use, 125 public inc. and 145 commercial inc. Nagle engines, Phœnix boilers, Hoyt belts, K. & K. wire, 19 miles of circuits. Ju.

EUGENE. Eugene Electric Light Co. Capital stock, $20,000; paid in, $12,000. F. B. Dunn, President. Jas. F. Robinson, Secretary. J. C. Church, Superintendent. F. J. Crouch, Electrician. Annual meeting held in December. 1 Schuyler, 2 Heisler dynamos. Capacity of station, 50 arc, 450 inc. In use, 20 public street arc, 328 commercial inc. 2 Westinghouse engines, Phœnix boilers, W. S. Notts belts, K. K. wire, 18 miles of street circuits. City pays $120 per light per year for 20 arc of 2,000 candles, burning all of every night. Contract expires in March, 1893. N F.

LA GRANDE. La Grande Edison Electric Co. Capital stock, $15,000; all paid in. W. H. McDonald, President. J. K. Romig, Secretary and Manager. A. H. Kroedel-Superintendent and Electrician. Annual meeting held in October. 2 Edison dynamos. Capacity of station, 800 inc. In use, 4 commercial arc, 4 public street arc, 450 com, mercial inc., 15 public street inc. Ball engine and boiler, 4 miles of street circuits. City pays $168 per light per year for 4 arc of 2,000 candles, $54 for 15 inc. of 50 candles, burning all of every night. Contract made May 24, 1890. Ju.

McMINNVILLE. City of McMinnville. S. A. Manning, Mayor. P. D. Glenn, Electrician. 1 Westinghouse dynamo. Capacity of station, 500 inc. In use, 250 commercial inc., 41 public street inc. Westinghouse engine, 2 Atlas boilers, 2 miles of street circuits.

OREGON CITY. Oregon City Electric Co. Capital stock, $20,000; paid in, $10,000. M. A. Stratton, President. T. L. Chairman, Secretary, Superintendent and Electrician. Annual meeting held in September. 1 Edison dynamo. Capacity of station, 450 inc. In use, 400 commercial inc., 21 public street inc. Water power is obtained from Willamette Falls. Munson belts, Hill clutches, Roebling wire, 2 miles of street circuits. City pays $86 per light per year for 21 inc. of 32 candles, burning every night from dusk to dawn. Contract made annually. Ju.

PENDLETON. Pendleton Electric Light and Power Co. Capital stock, $35,000; all paid in. F. W. Vincent, President. C. B. Wade, Secretary and Manager. Fred T. Brooks, Superintendent and Electrician. Thomson-Houston and Edison dynamos. Capacity of station, 50 arc, 500 inc. In use, 40 commercial arc, 10 public street arc, 450 commercial inc. 1 100 h. p. Ball engine and boiler, Schieren belts, Ansonia and Clark wire, 1¼ miles of street circuits. R R F.

PORTLAND. Willamette Falls Electric Co. Capital stock, $1,000,000. E. L. Eastham, President. J. C. Moreland, Secretary. P. F. Morey, Manager. Annual meeting held in June. 19 Brush, United States, Westinghouse and Thomson-Houston dynamos. Capacity of station, 425 arc and 4,000 inc. 8 Westinghouse engines, high speed, Standard wire. X H.

SALEM. Salem Electric Light Co. Capital stock, $25,000. Thomas Holman, Owner. D. W. Eberlin, Electrician. Keith and Heisler systems. 80.

THE DALLES. Glenn & Handlay. Capital stock, $25,000. H. Glenn, Manager. 1 Thomson-Houston, 2 Edison dynamos. Capacity of station, 85 arc, 640 inc. In use, 18 commercial arc, 17 public street arc, 640 commercial inc. Ball and Erie engines, Erie City boilers, Roebling wire, 2 miles of street circuits. City pays $144 per light per year for 17 arc of 2,000 candles, burning all of every night. Contract expires annually in June. R R G.

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PENNSYLVANIA.

ALLEGHENY. City Electric Light Plant. David Hunter, Jr., Superintendent. 12 Westinghouse dynamos. Capacity of station, 450 arc, 3,000 inc. In use, 325 public street arc, 2,200 public street inc. 10 Westinghouse Compound engines, 6 Erie City boilers, Standard Underground wire, 90 miles of street circuits.

ALLENTOWN. Allentown Electric Light and Power Co. Capital stock, $75,000; all paid in. Wm. A. Roney, President. C. O. Schautz, Secretary. A. H. Bowneau, Superintendent and Electrician. Annual meeting held in January. 1 Westinghouse, 1 Edco, 6 American dynamos. Capacity of station, 225 arc, 1,500 inc. In use, 100 commercial arc, 103 public street arc, 900 commercial inc. 4 Davis & Thomas engines, Roebling wire, 12 miles of street circuits. City pays $100 per light per year for 98 arc of 2,000 candles, burning all dark hours. V V H.

ALTOONA. Edison Electric Illuminating Co. Capital stock, $5,600; all paid in. John London, President. A. J. Anderson, Secretary and General Manager. Annual meeting held in March. Edison and Schuyler dynamos. Capacity of station, 50 arc, 4,000 inc. In use, 64 commercial arc, 80 public street arc, 2,800 commercial inc. Taylor and Greene engines, Taylor boilers, Shultz belts, K. K. wire, 18 miles of street circuits. City pays $79.50 per light per year for 80 arc of 2,000 candles, burning all of every night. Contract expires April 1, 1893. M G.

Mountain City Light, Heat and Power Co. Capital stock, $50,000; paid in, $22,500. John O'Neil, President. J. G. Davis, Secretary. E. C. Green, Electrician. Annual meeting held in June. 1 Westinghouse and 3 Thomson-Houston dynamos. Capacity of station, 100 arc, 1,750 inc. In use, 50 commercial arc, 780 commercial inc. 3 Ball engines, Erie boilers, Schieren belts, K. K. wire, 9 miles of street circuits. Ju.

ASHLAND. Edison Electric Illuminating Co. P F 75.

Ashland Gas Light Co. Capital stock, $30,000; all paid in. Jno. B. Price, President and Superintendent. Jno. Dence, Secretary. Curtis Howes, Electrician. Annual meeting held in July. 2 Thomson-Houston dynamos. Capacity of station, 50 arc. In use, 21 commercial arc, 26 public arc. 1 low speed local engine, 1 local boiler, Ansonia wire, 5 miles of circuits. P P G.

BEAVER FALLS. Beaver Falls Electric Light and Power Co. Capital stock, $12,000; all paid in. H. W. Haltman, President. S. D. Hubbard, Secretary. W. H. Hubbard, Superintendent and Electrician. Annual meeting held November 19. 1 Westinghouse, 1 Indianapolis Jenney dynamo. Capacity of station, 750 inc. In use, 32 commercial arc, 690 inc. "Success" turbine and Schieren belts, Standard wire, 15 miles of circuits, 1 Fall Rivet clutch. P F.

BEDFORD. Bedford Electric Light, Heat and Power Co. Capital stock, $25,000; paid in, $14,287. Frank Fletcher, President. James F. Mickel, Secretary. Marion Cessur, Superintendent and Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 650 inc. In use, 5 commercial arc, 24 public street arc, 480 commercial inc. 1 Beck engine, 2 boilers, Roebling wire, 8½ miles of street circuits. City pays $62.50 per light per year for 24 arc of 2,000 candles, burning every night till midnight. Contract expires annually in July. Company furnishes Bedford Springs and the Springs Road with 16 arc during the summer months at $37.50 each per season. P G.

BELLEFONTE. Edison Electric Illuminating Co. Capital stock, $34,000; all paid in. Frank McCoy, President. Jas. Harris, Secretary. O. C. Kennedy, Superintendent and Electrician. Annual meeting held in June. 4 Edison dynamos. Capacity of station, 2,000 inc. In use, 1,650 commercial inc., 149 public street inc. 2 Armington & Sims engines, 2 Babcox & Wilcox boilers, Shultz belts, K. K. and P. B. wire. City pays $12 per light per year for 149 inc. of 16 candles, burning on moon schedule. L F.

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BETHLEHEM. Bethlehem Electric Light Co. Capital stock, $50,000; paid in, $38,875. James Thomas, President. Eugene P. Unaugh, Secretary. C. A. Wolle, Treasurer and Superintendent. Ambrose Laubach, Electrician. Annual meeting held in September. 1 Westinghouse and 3 Thomson-Houston dynamos. Capacity of station, 126 arc, 550 inc. In use, 19 commercial arc, 92 public street arc, 458 commercial inc. 2 100 h. p. Davies & Thomas vertical engines, 3 McKee & Mieson boilers, Taylor belts, K. K. and Standard Underground wire, 15 miles of street circuits. City pays 20 cents per light per night for 92 arc of 1,200 candles, burning till midnight 20 nights per month. P P G.

BRADDOCK. Citizens' Electric Light Co. Capital stock, $25,000. J. S. Kuhn, President. W. S. Kuhn, Secretary. 1 Westinghouse dynamo. Capacity, 650 lights. Ju.

BRADFORD. Bradford Electric Light and Power Co. 75.

BRISTOL. Bristol Electric Light and Power Co. Capital stock, $30,000; paid in, $16,000. Francis Fenimore, President. A. Weir Gilkeson, Secretary. Charles E. Scott, Treasurer and General Manager. Caleb S. Warner, Electrician. Annual meeting held in March. 2 Westinghouse dynamos. Capacity of station, 1,000 inc. In use, 424 commercial inc., 115 public street inc. 2 Westinghouse engines, 1 boiler, Page and Schieren belts, K. K. and Grimshaw wire, 8½ miles of street circuits. City pays $24 per light per year for 115 inc. of 25 candles, burning all of every night. P P F.

CARBONDALE. Electric Light, Heat and Power Co. Capital stock, $40,000; all paid in. Edward Clarkson, President. M. Dugan, Secretary. J. B. Nicholson, Superintendent. Annual meeting held in January. 1 American, 3 Westinghouse dynamos. Capacity of station, 50 arc, 2,250 inc. In use, 15 commercial arc, 32 public street arc, 2,000 commercial inc. 3 Westinghouse engines, 2 boilers, Schieren belts, Roebling wire, 20 miles of street circuits. City pays $85 per light per year for 32 arc of 2,000 candles, burning till midnight every night and on dark nights till morning. S G.

CARLISLE. Carlisle Gas and Water Co. Capital stock, $50,000. Lemuel Todd, President. C. E. Ramsay, Secretary, Superintendent and Electrician. American system. 1 Ide engine. V G.

CATASAUQUA. Catasauqua Electric Light and Power Co. Capital stock, $30,000; all paid in. James Thomas, President. George Bower, Secretary. 4 Edison dynamos. Capacity of station, 1,080 inc. In use, 100 public street inc. 2 Davies & Thomas engines and boilers. City pays $17 per light per year for 100 inc. of 25 candles, burning all dark hours. Contract expires in 1900. 65.

CHESTER. Craig R. Arnold & Co. Craig R. Arnold, President. Franz Rabl, Superintendent and Electrician. 2 Excelsior, 1 Arnold dynamo. Capacity of station, 45 arc, 500 inc. In use, 25 commercial arc. 2 Ball high speed engines, Scotch marine boiler, Craige belts, Moore's wire. L F.

Chester Electric Light and Power Co. Capital stock, $70,000; all paid in. G. P. Denis, President and Superintendent. Thos. S. Hall, Secretary. Annual meeting 2d Monday in January. 7 Edison, 1 Thomson-Houston dynamo. Capacity of station, 30 arc, 5,520 inc. In use, 16 commercial arc, 4,760 inc. 4 Buckeye high speed engines, 6 tubular boilers, Hoyt's belts, various wires, 8 miles of circuits. S G.

CLARION. Clarion Electric Co. Not yet in operation.

CLEARFIELD. Central Pennsylvania Light and Power Co. Capital stock, $15,000; paid in, $12,000. A. W. Lee, President. A. O. Smith, Secretary. J. H. Ross, Superintendent and Electrician. Annual meeting held in January. 1 Westinghouse dynamo. Capacity of station, 500 inc. In use, 550 commercial inc. Westinghouse engine, Reese boiler, Munson belts, K. K. wire, 2 miles of street circuits. P F.

CLIFTON HEIGHTS. Citizens' Electric Light and Power Co. of Delaware County. Capital stock, $25,000; all paid in. J. S. C. Austin, President. W. J. Crawford, Secretary. John Fregar, Superintendent. Allen Candelet, Electrician. Annual meet-

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ing held in March. 2 Thomson-Houston dynamos. Capacity of station, 1,300 inc. 2 60 h. p. Taylor engines and boilers, Merced belts, Roebling wire, 15 miles of street circuits. Ju.

COLUMBIA. Columbia Electric Light and Power Co. Capital stock, $20,000; paid in, $17,000. Dr. A. Craig, President. A. S. Bucknis, Secretary. John P. Frank, Superintendent and Electrician. 2 Schuyler dynamos. In use, 44 commercial arc, 44 public arc. Diamond Drill Co. engines, 1 local boiler, Underwood belts, K. & K. wire, 7 miles of circuits. Ju.

CONNELLSVILLE. The Electric Co. G. See Addenda.

CONSHOHOCKEN. Conshohocken Electric Light and Power Co. Capital stock, $20,000; all paid in. John H. Griffith, President. David H. Ross, Secretary and Treasurer. H. S. Cooper, Superintendent and Electrician. 1 Thomson-Houston arc, 2 Westinghouse alternating inc. dynamos. Capacity of station, 25 arc, 1,300 inc. In use, 12 commercial arc, 700 commercial inc., 162 public street inc. 2 Westinghouse engines, 2 Bate boilers, Schieren belts, 7 miles of street circuits. City pays $21 per light per year for 162 inc. of 25 candles, burning all of every night. Contract expires in March, 1894. R G 103.

CORRY. Climax Mfg. Co. C. H. Wolford, Electrician. 3 Climax dynamos. Capacity of station, 10 arc, 600 inc. In use, 3 commercial arc, 400 inc. 3 Climax high speed engines, 2 tubular boilers, Moore's wire, 2 miles of circuits. W H.

DANVILLE. Consumers' Gas Co. Capital stock, $90,000. John R. Bennett, President R. M. Grove, Secretary. J. T. Cowling, Superintendent and Electrician. 1 Jenney, 2 American dynamos. Capacity of station, 100 arc, 600 inc. In use, 46 commercial arc, 34 public street arc, 400 commercial inc., 61 public street inc. 2 Ball engines, 2 Erie City boilers, Schieren belts, K. K. wire, 13 miles of street circuits. City pays $81.81 per light per year for 34 arc of 2,000 candles, and $16.36 for 61 inc. of 25 candles, burning all of every night. Contract expires in November, 1890. V G.

DOWNINGTOWN. Downingtown Light and Power Co. Capital stock, $25,000. M. R. Muckle, Jr., President. A. J. Rudderow, Secretary. H. B. McFarlan, Superintendent. Annual meeting held in May. 2 Westinghouse dynamos. Capacity of station, 1,200 inc. In use, 500 commercial inc. 2 Westinghouse engines, 1 Henry Warden boiler, Shultz belts, Simplex wire, 6 miles of street circuits. R R G.

DU BOIS. Du Bois Electric Light, Power and Heat Co. E. B. Nettleton, President. Geo. Y. Hollister, Secretary. Jno. C. Bonnett, Superintendent and Electrician. 3 Westinghouse dynamos. Capacity of station, 35 arc, 1,000 inc. In use, 10 commercial arc, 15 public street arc. 3 Westinghouse engines, Reese boilers, Munson belts, Standard Underground Cable Co. wire, 4 miles of street circuits. City pays $66 per light per year for 15 arc of 2,000 candles, burning every night. Contract expires in January, 1895. F 85.

EASTON. City of Easton. 75.

Edison Illuminating Co. Capital stock, $100,000; all paid in. H. G. Sombler, President. Howard C. Ronek, General Manager. Annual meeting held in October. 1 Thomson-Houston, 2 Sperry, 6 Edison dynamos. Capacity of station, 110 arc, 4,000 inc. In use, 50 commercial arc, 61 public street arc, 4,600 commercial inc. 4 Armington & Sims engines, Abendroth & Root boilers, Ireson belts, Habershaw and K. K. wire, 25 miles of street circuits. Phillipsburg, N. J., pays $50 per light per year, lamps burning till 1 A. M.; South Easton, Pa., pays $95, lamps burning all night. Lamps burn on all dark nights. V V H.

ELIZABETH. Elizabeth Electric Light, Heat and Power Co. Capital stock, $10,000; paid in, $8,000. T. W. Martin, President. Chas. H. Shaffer, Secretary. James R. Connell, Electrician. Annual meeting held in July. 1 Sperry, 2 Edison dynamos. Capacity of station, 30 arcs; 540 inc. In use, 20 public street arcs; 450 commercial

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inc. Russell engines, Edison wire. City pays $65 per light per year for 20 arcs of 2,000 candles, burning all night, 20 nights per month. Contract expires in July, 1896. Ju.

ERIE. Edison Electric Light and Power Co. Capital stock, $60,000; all paid in. Charles H. Strong, President. Henry Tibbals, Secretary and Treasurer. Wirt McCreary, Superintendent. Annual meeting held in February. 6 Edison dynamos. Capacity of station, 3,000 inc. In use, 4 (Kinsman) commercial arc, 3,000 commercial inc. 4 Ball engines, 4 Stearns boilers, leather belts, American and Ansonia wire, 6½ miles of street circuits. (See Erie County Light Co.)

Erie County Light Co. Capital stock, $100,000; all paid in. Chas. H. Strong, President. Henry Tibbals, Secretary and Treasurer. Wirt McCreary, Superintendent. Annual meeting held in February. 3 Brush, 4 Thomson-Houston dynamos. Capacity of station, 240 arc. In use, 120 commercial arc, 150 public street arc. 2 150 h. p. Ball engines, rent boiler power, leather belts, American and Ansonia wire, 21 miles of street circuits. City pays $120.45 per light per year for 150 arc of 1,200 candles, burning all of every night. Contract expires April 1, 1891. S S H.

GREENSBURG. People's Electric Light Co. Capital stock, $40,000; paid in, $30,000. Geo. F. Huff, President. J. R. Eisaman, Secretary. Annual meeting held in March. 3 Westinghouse dynamos. Capacity of station, 1,350 inc. In use, 1,200 commercial inc. S F.

HARRISBURG. Excelsior Electric Co. Capital stock, $250,000; all paid in. M. W. McAlvirey, Vice-President. D. Hyman, Secretary and General Manager. Annual meeting held in April. 19 Jenney and Excelsior dynamos. Capacity of station, 505 arc, 8,000 inc. In use, 160 commercial arc, 263 public street arc, 1,500 commercial inc. 1 500 h. p. engine, 3 70 h. p. boilers, Shultz belts, Ansonia and Simplex wire, 120 miles of street circuits. City pays $90 per light per year for 263 arc of 2,000 candles, burning all of every night. Contract expires annually in June. V G.

Harrisburg Electric Light Co. Capital stock, $150,000. E. Z. Wallower, President. H. W. Stone, Secretary. C. H. Kinter, Superintendent. W. R. Fitzpatrick, Electrician. Annual meeting held in February. 4 Thomson-Houston, 8 Edison dynamos. Capacity of station, 200 arc, 6,400 inc. In use, 125 commercial arc, 5,000 commercial inc. 1 Corliss, 5 Ide engines, 6 boilers, Shultz belts, Hill clutches. W H.

HAVERFORD COLLEGE. Haverford Electric Light Co. Capital stock, $100,000; paid in, $75,000. J. Randall Williams, President. E. A. Scott, Secretary. Richard W. Gilpin, Superintendent and Electrician. 3 Electro-Dynamic Co.'s dynamos. Capacity of station, 4,000 inc. In use, 2,000 commercial inc. 1 New York Safety, 2 Southwark engines, 2 Harrison Safety boilers, Jewell belts, Okonite wire, 15 miles of street circuits. Ju.

HAZLETON. Edison Electric Illuminating Co. Capital stock, $65,000. J. G. Seager, President. N. C. Yost, Secretary. J. Edwin Giles, Superintendent and Electrician. Annual meeting held in November. 4 Edison dynamos. Capacity of station, 20 arc, 2,000 inc. In use, 20 public street arc, 1,400 commercial inc., 184 public street inc. Payne and Armington & Sims engines, Babcock & Wilcox boilers, 20 miles of street circuits. City pays $100 per light per year for 20 arc of 2,000 candles, and $18 for 184 inc. of 16 candles, burning all of every night. S G.

HONESDALE. Honesdale Electric Light, Heat and Power Co. Capital stock, $20,000; all paid in. M. B. Allen, President. T. J. Horn, Secretary. S. H. Sharpsteen, Superintendent and Electrician. 1 American, 1 Honesdale, 1 Edco, 2 Edison dynamos. Capacity of station, 60 arc, 1,200 inc. In use, 27 commercial arc, 24 public street arc, 800 commercial inc., 4 public street inc. 1 Beck, 1 Payne engine, 2 Erie City boilers, Fayerweather & Ladew belts, 7 Hill clutches, K. K. wire. City pays $75 per light per year for 24 arc of 2,000 candles, and for 4 inc. of 24 candles, burning every night till 1 A. M. Ju.

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HUNTINGDON. Huntingdon Electric Light Co. Capital stock, $12,000; all paid in. J. Simpson Africa, President. B. F. Africa, Secretary and Superintendent. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 650 inc. In use, 10 commercial arc, 39 public street arc. 1 60 h. p. and 80 h. p. Ball engine, 2 Nagle steel boilers, Schieren belts, Roebling wire, 10 miles of street circuits. City pays $60 per light per year for 39 arc of 2,000 candles, burning every night till midnight. Contract expires in October, 1892. Ju.

JOHNSTOWN. Johnstown Electric Light Co. 75.

KINGSTON. Kingston Electric Light, Heat and Power Co. Capital stock, $20,000; paid in, $17,600. Christian Bach, President. Thomas R. Phillips, Secretary. 2 Heisler dynamos. Capacity of station, $16,650 candle power. In use, 8,853 commercial candle power, 32 public street inc. 2 Ide engines, Harrisburg boilers, 8 miles of street circuits. City pays $30 and $25 per light for 32 inc. of 20 candles, burning all night and till midnight every night. Contract expires December 31, 1890. Company lights two boroughs, and will light a third as soon as a naptha contract expires. P P G.

LANCASTER. Edison Electric Illuminating Co. Capital stock, $135,000; paid in, $100,000. J. Fred Seuer, President. H. B. Cochran, Secretary. Henry Lively, Superintendent. J. K. Shoemaker, Electrician. P. B. Shaw, General Manager. Annual meeting held in January. 8 No. 12 Edison and 8 United States and American dynamos. Capacity of station, 275 arc, 2,000 amperes in inc. In use. 209 commercial arc, 68 public street arc, 6,000 commercial inc., 141 public street inc. 2 Beck, 4 Armington & Sims engines, 4 Geo. P. Marion boilers, Geo. Slate & Son's belts, 2 Hill clutches, Roebling wire, 19 miles of street circuits. City pays $124.10 per light per year for 141 arc of 2,000 candles, burning all of every night. Contract expires in June, 1891. W G.

LANGHORNE. Langhorne Light and Power Co. Capital stock, $20,000; all paid in. J. Howard Marshall, President. A. M. Wildman, Secretary. Annual meeting held in April. 2 Thomson-Houston dynamos. Capacity of station, 1,000 inc. 1 125 h. p. Ball engine, Morris boiler, Shultz belts, 15 miles of street circuits. Ju.

LANSDALE. Lansdale Electric Light Co. Capital stock, $10,000; paid in, $3,000. Wm. D. Heebner, President and Superintendent. F. S. Wilgus, Secretary. Annual meeting held at call of President. 1 Mather dynamo. Capacity of station, 200 inc. In use, 75 commercial inc. Run in connection with a roller flour mill driven by a 100 h. p. Corliss engine, 3 Pottstown boilers, leather belts, ¼ mile of street circuits. Ju.

LANSFORD. Lansford Electric Light Co. Plant is owned by the city. 1 Excelsior dynamo. 32 public arc light. Vincent engine and boiler, 4 miles of circuits. Nathan Tanner, Secretary of Lansford Borough.

LATROBE. Latrobe Electric Light Co. Capital stock, $12,000; paid in, $9,000. Vin. E. Williams, President. W. A. Johnston, Secretary and Superintendent. Jno. Flowers, Electrician. Annual meeting held in January. 2 Brush dynamos. Capacity of station, 700 inc. In use, 700 commercial inc., 30 public street inc. 1 Ball engine, 2 Riter & Conley boilers, Hartley Bros. belts, Roebling wire. City pays $15 per light per year for 30 inc. of 16 candles, burning all of every night. Ju.

LEBANON. Edison Electric Illuminating Co. Capital stock, $100,000; paid in, $50,000. J. M. Shenk, President. Geo. D. Rise, Secretary. E. H. Brooks, Superintendent and Electrician. Annual meeting held in September. 3 Thomson-Houston, 4 Edison dynamos. Capacity of station, 150 arc, 1,600 inc. In use, 70 commercial arc, 60 public street arc, 2,000 commercial inc. 1 Ide, 3 Ball engines, tubular boilers, Shultz and Link belts, Okonite and Underwriters' wire, 20 miles of street circuits. City pays $80 per light per year for 60 arc of 2,000 candles, burning every night till midnight. S G.

LOCK HAVEN. Lock Haven Electric Light and Power Co. Capital stock, $20,000.

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Samuel Christ, President. W. S. Harris, Secretary. L. H. Lay, Superintendent and Electrician. Annual meeting held in May. 1 dynamo. Capacity of station, 85 arc. In use, 85 commercial arc. 1 high speed engine, 1 boiler. P P F.

McKEESPORT. McKeesport Light Co. Capital stock, $100,000; all paid in. Dr. T. L. White, President. G. L. Reiber, Secretary. G. W. Palmer, Jr., General Manager. Annual meeting held in October. 1 Waterhouse, 3 Thomson-Houston dynamos. Capacity of station, 110 arc, 2,400 (10 c. p.) inc. In use, 64 commercial arc, 40 public street arc, 28,000 candle power commercial inc., 80 public street inc. 5 Westinghouse engines, 4 Carroll boilers, 25 miles of street circuits. City pays $100 per light per year for 40 arc of 2,000 candles, and for 80 inc. of 16 candles, burning all night on moon schedule. W G.

MAHANOY CITY. Mahanoy City Light, Heat and Power Co. Capital stock, $15,000. E. S. Silliman, President. Andrew Cowrey, Secretary, Superintendent and Electrician. Thomson-Houston system. P P G.

MAUCH CHUNK. Mauch Chunk Heat, Power and Electric Light Co. Capital stock, $40,000; paid in, $32,000. E. B. Leesenring, President. Frederick Bertolette, Secretary. O. O. Farrard, Superintendent and Electrician. Annual meeting held in February. Westinghouse dynamos. Capacity of station, 50 arc, 1,500 inc. In use, 1,000 commercial inc. 2 Payne engines, 3 Erie boilers, 4 miles of street circuits. S S H.

MEADVILLE. City of Meadville. Archie Henry, Superintendent. 2 Wood dynamos. Capacity of station, 70 arc. In use, 70 public street arc. 2 Ball engines, 2 Dick & Church boilers, 16 miles of street circuits.

People's Incandescent Light Co. Capital stock, $25,000; all paid in. John Rutze, President. T. R. Shryock, Secretary and Superintendent. 3 Edison dynamos. Capacity of station, 50 arc, 3,000 inc. City operates a plant, so company has no contract. Ju.

MEDIA. Media Electric Light, Heat and Power Co. Capital stock, $40,000; paid in, $32,000. Henry C. Howard, President. W. Roger Troufield, Secretary. John T. Reynolds, Treasurer. N. J. Alexander, Superintendent. Annual meeting held in May. 1 American and 2 Westinghouse dynamos. Capacity of station, 40 arc, 1,500 inc. In use, 2 commercial arc, 20 public street arc, 1,200 commercial inc., 51 public street inc. Westinghouse engines, Bigelow boilers, Schieren belts, K. K. wire, 8 miles of street circuits. City pays $85 per light per year for 20 arc of 2,000 candles and for 51 inc. of 25 candles, burning on moon schedule till 3 A. M. Contract expires annually in January. Ju.

MOUNT CARMEL. Edison Electric Illuminating Co. Capital stock, $15,200; all paid in. M. K. Watkins, President. J. W. Kaiser, Secretary, Superintendent and Electrician. Annual meeting held in January. Edison dynamos. Capacity of station, 600 inc. In use, 600 commercial inc. Armington & Sims engines, Babcock & Wilcox boilers, Leviathan belts, Ansonia Brass & Copper Co. wire, ¼ mile of street circuits. Ju.

NANTICOKE. Nanticoke Light Co. Capital stock, $25,000; all paid in. George T. Morgan, President. Thomas F. Jacob, Secretary. Thomas O. Richards, Superintendent and Electrician. Annual meeting held in September. 1 Westinghouse inc., 2 Excelsior arc dynamos. Capacity of station, 60 arc, 750 inc. In use, 47 commercial arc, 340 commercial inc, 150 public street inc. 2 Armington & Sims engines, rented boiler power, Underwood and Ballard belts, Shield brand, Roebling and Standard underground wire, 12 miles of street circuits. City pays $22.50 per light per year for 150 inc. of 25 candles, burning all of every night. Contract expires annually in February. S G.

NEW CASTLE. Citizens' Electric Light and Power Co. Capital stock, $17,500; all paid in. J. B. Finley, President. John E. Norris, Secretary. John Suber, Superintendent. Charles Barr, Electrician. 2 Westinghouse dynamos. Capacity of station, 1,000 inc.

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In use, 600 commercial inc. Buckeye engines and boilers, Okonite wire, 5 miles of street circuits. R H.

NEWTOWN. Newtown Electric Light and Power Co. Capital stock, $6,000; paid in, $620. A. W. Watson, President. George C. Worstall, Secretary. The works are not started yet.

NORRISTOWN. Norristown Electric Light, Heat and Power Co. Capital stock, $15,000; paid in, $10,000. S. P. Hanson, President. Dr. T. A. D. Foster, Secretary. Samuel S. Smith, Superintendent. Annual meeting held in December. 2 Excelsior dynamos. Capacity of station, 55 arc, 110 inc., 25 commercial arc, 15 inc., 4 public arc in use. 1 Diamond Drill engine, 1 Locomotive boiler, 10 miles of circuits. Q 85.

Norristown Electric Light and Power Co. Capital stock, $70,000; paid in, $53,000. Joseph Shaw, President. B. F. Kerper, Secretary. D. A. Bertolette, Superintendent and Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 70 arc, 1,800 inc. In use, 55 commercial arc, 1,500 commercial inc. 8 Cox & Sons engines, 2 boilers, link belts. P P H.

OXFORD. Oxford Electric Light Co. 75.

PHILADELPHIA. Frankford Electric Light and Power Co. Capital stock, $30,000; all paid in. James Comly, President and Superintendent. Dr. E. D. Comly, Secretary. Annual meeting held in May. 2 Edison, 2 Thomson-Houston dynamos. Capacity of station, 70 arc, 600 inc. In use, 20 commercial arc, 31 public street arc, 315 commercial inc. 3 Erie City engines, 3 boilers, Shultz belts, Moore wire, 15 miles of street circuits. City pays 55 cents per light per night for 31 arc of 2,000 candles, burning all of every night. Contract expires in January, 1891. P P G.

Brush Electric Light Co. Capital stock, $1,000,000; paid in, $1,000,000. Thos. Dolan, President. A. J. De Camp, Secretary and General Manager. Annual meeting 3d Tuesday in January. 25 Brush dynamos. Capacity of station, 1,260 arc, 694 commercial arc. In use, 425 public arc. 2 Corliss, 1 Green, 7 Porter-Allen engines, 4 B. & W., 18 Wetherell boilers, Alexander Bros. belts, various wires, 250 miles of circuits. X X H.

Keystone Light and Power Co. Capital stock, $1,000,000; paid in, $125,000. C. H. Jackson, President. M. R. Muckle, Jr., Secretary. H. E. Lehman, Superintendent. T. Carpenter Smith, Electrician. 1 direct motor dynamo, 4 Westinghouse alternating dynamos. Capacity of station, $3,200 inc. In use, 3,200 commercial inc. 3 Westinghouse engines, 2 Philadelphia Water Tube boilers, Schieren belts, Standard Underground Cable Co.'s underground cables. W G.

Thomson-Houston Electric Light Co. Capital stock, $500,000. Charles O. Baird, President. Edwin D. Mullen, General Manager. Samuel F. Given, Secretary and Treasurer. W H.

Merchants' Electric Light Co. of North Front Street. Capital stock, $100,000; paid in, $56,600. J. A. Bossing, President and Superintendent. H. C. Barthmaier, Secretary. George Schilling, Electrician. Annual meeting held in February. 4 Wood dynamos. Capacity of station, 220 arc. In use, 150 commercial arc. 1 85 h. p. Ball, 1 150 h. p. Greene engine, 2 Noff & Fountain boilers, Schieren belts, 4 Hill clutches, Moore wire, 2 miles of street circuits. V G.

Philadelphia Electric Light Co. Capital stock, $50,000; all paid in. Henry Lewis, President. C. M. Blanchard, Secretary. A. J. De Camp, General Manager. 6 Thomson-Houston dynamos. Capacity of station, 300 arc. In use, 128 commercial arc, 172 public arc. 2 Corliss low speed engines, 2 Ret tubular boilers, Alexander Bros. belts, various wires, 25 miles of circuits. V G.

Germantown Electric Light Co. Capital stock, $50,000. George E. Wagner, President. S. W. Wray, Secretary and Treasurer. L. V. Nelson, Superintendent and Electrician. 1 Thomson-Houston dynamo. Capacity, 50 arc. Ju.

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United States Electric Lighting Co. Capital stock, $1,000,000; all paid in. R. H. Hill, President. Louis R. Schultz, Secretary. A. J. De Camp, General Manager. 28 United States dynamos. Capacity of station, 600 arc. In use, 340 commercial arc, 166 public arc. 1 Green and 2 Buckeye engines, 6 Ret tubular boilers, various wires, 150 miles of circuits, 22 Hill clutches. X X H.

Northern Electric Light and Power Co. Capital stock, $200,000; paid in, $150,000. George W. Boyer, President. Wm. F. Patton, Secretary and Superintendent Annual meeting held in September. 16 Thomson-Houston dynamos. Capacity of station, 900 arc. In use, 275 commercial arc, 197 public street arc. 4 Buckeye engines, 10 Worden and Morris boilers, Alexander belts, K. K. wire, 80 miles of street circuits. City pays $200.75 per light per year for 197 arcs of 2,000 candles, burning all of every night. Contract expires annually January 1. W H.

Wissahickon Electric Light Co. 75.

Edison Electric Light Co. Capital stock, $1,000,000; all paid in. L. D. Brown, President. A. V. Sloan, Secretary. Wm. D. Marks, Superintendent and General Manager. Annual meeting held in January. 12 Edison dynamos. Capacity of station, 120,000 inc. In use, 48,500 commercial inc. 6 Armington & Sims engines, 9 Abendroth & Root boilers. Ju.

PHILIPSBURG. Philipsburg Electric Light, Gas, Power and Heat Co. Capital stock, $42,000; all paid in. Thomas Barnes, President. H. K. Grant, Secretary. J. Barney, Superintendent. A. Lawrence, Electrician. Annual meeting held in June. United States dynamos. Capacity of station, 25 arc, 800 inc. In use, 20 public street arc, 800 commercial inc. 2 Buckeye engines, Erie City boilers. City pays $100 per light per year for 20 arc of 2,000 candles, burning all night on moon schedule. Contract expires in 1892. S F.

PITTSBURGH. East End Electric Light Co. Capital stock, $300,000; all paid in. A. T. Rowand, President. G. P. Shane, Secretary. J. A. E. Heareler, Superintendent. Annual meeting held in February. 22 Westinghouse dynamos. Capacity of station, 800 arc, 14,250 inc. In use, 60 commercial arc, 832 public street arc, 14,000 commercial inc., 252 public street inc. 15 Westinghouse engines, 4 Riter & Couley, 4 Babcock & Wilcox boilers, Munson belts, Standard Underground Cable Co. wire, 300 miles of street circuits. City pays $120 for first 100, $100 for remainder per light per year for 832 arc of 2,000 candles, and for 252 inc. of 25 candles, burning all of every night. Contract expires in January, 1892. Some of the city lights are furnished by another company under this contract, hence the apparent discrepancy as to capacity and number furnished. Z H.

Pittsburgh Electric Light and Power Co. J. L. Clark, Superintendent and Electrician. Annual meeting held in May. 1 Thomson-Houston, 2 Edison dynamos. Beck, Atlas and Ball engines, 2 Carroll boilers, Hoyt belts. Ju.

People's Light and Power Co. Capital stock, $10,000. Jno. E. Ridal, President. Willis L. Eaton, Secretary. T. W. Kloman, Electrician. Plant not operating.

Allegheny County Light Co. Capital stock, $1,000,000; paid in, $500,000. H. H. Westinghouse, President. Rob't D McGonnigle, Secretary. Robert Naysmith, Superintendent. G. W. Blaxter, Electrician and General Manager. 18 Brush, 4 direct and 12 alternating Westinghouse dynamos. Capacity of station, 1,080 arc, 35,000 inc. In use, 320 commercial arc, 575 public street arc, 33,000 commercial inc. 1 Wetherill-Corliss, 18 Westinghouse engines, 1 Hazleton, 3 Heine, 5 Erie, 6 Babcox & Wilcox boilers, Munson belts, Standard Underground Cable Co. wire, 121 miles of street circuits. City pays $100 per light per year for 575 arc of 2,000 candles, burning all of every night. Z Z H.

PITTSTON. Citizens' Electric Illuminating Co. 45 United States and Thomson-Houston lights. P F.

Citizens' Electric Light and Power Co. G 85.

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PLYMOUTH. Plymouth Light, Heat and Power Co. Capital stock, $50,000; all paid in. Draper Smith, President. J. W. Chamberlin, Secretary. O. M. Lance, Superintendent. W. H. Clark, Electrician. Annual meeting held in February. 3 Excelsior dynamos. Capacity of station, 110 arc. In use, 38 commercial arc, 48 public street arc. 2 Payne engines and boilers, Schieren belts, K. K. and Underwriters' wire, 10 miles of street circuits. City pays $90 per light per year for 48 arc of 2,000 candles, burning all of every night. Contract expires February 17, 1898. P P G.

POTTSTOWN. Pottstown Light, Heat and Power Co. Capital stock, $30,000. Herman Wells, President. Geo. N. Malsberger, Secretary. Charles A. White, Superintendent and Electrician. Annual meeting held in January. 2 United States, 2 Thomson-Houston dynamos. Capacity of station, 100 arc, 1,000 inc. In use, 30 commercial arc, 15 public street are, 800 commercial inc., 35 public street inc. 2 Ball engines, 3 Sotters Bros. boilers, Schieren belts, 8 miles of street circuits. City pays $125 per light per year for 15 arc of 2,000 candles and $35 for 35 inc. of 32 candles, burning all of every night. Contract expires annually in April. S G.

POTTSVILLE. Anthracite Electric Light and Power Co. Capital stock, $50,000; paid in, $27,000. R. F. Lee, President. Jno. C. Lee, Secretary. James A. Bowen, Superintendent. Frank Quin, Electrician. Annual meeting held in May. 2 Schuyler and 1 United States dynamo. Capacity of station, 75 arc. In use, 12 commercial arc. 2 Diamond Drill engines, high speed, 1 flue boiler, Underwood belts, K. & K. wire, 14 miles of circuits. S S H.

PUNXSUTAWNEY. Punxsutawney Electric Light and Power Co. Capital stock, $20,000; all paid in. Wm. F. Beyer, President. W. W. Winslow, Secretary. J. L. Fisher, Electrician. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 650 inc. In use, 650 commercial inc. 1 100 h. p. Taylor engine, 1 125 h. p. boiler, Underwood and Schieren belts, Roebling, Grimshaw and Okonite wire, 4 miles of street circuits. P P F.

READING. Reading Electric Light and Power Co. Capital stock, $150,000; paid in, $138,000. James A. O'Reilly, President. J. K. Righter, Secretary. F. N. Boyer, Manager. A. V. Arrowsmith, Electrician. Annual meeting held in January. 6 American, 2 Thomson-Houston, 7 Edison dynamos. Capacity of station, 310 arc, 4,500 inc. In use, 40 commercial arc, 195 public street arc, 3,800 commercial inc., 500 public street inc. 6 Ide engines, 5 boilers, Schieren and Ireson belts, Hill clutches, Ansonia and K. K. wire, 200 miles of street circuits. City pays $120 per light per year for 195 arc of 2,000 candles, and $22 for 500 inc. of 20 candles, burning all night on moon schedule. Contract expires in January, 1891. W G.

RENOVA. Renova Electric Light, Heat and Power Co. Capital stock, $30,000; all paid in. Godfrey Hess (Williamsport), President. John S. Gersting, Secretary. J. C. Hill (Williamsport), Treasurer. J. H. Sheddy, Superintendent and Electrician. Annual meeting held in December. 2 Edison dynamos. Capacity of station, 1,500 inc. In use, 1,200 commercial inc. 1 100 h. p. Armington & Sims engine, 1 Keeler boiler, Slates belts, K. K. wire. R R G 103.

RIDLEY PARK. Ridley Park Electric Light and Power Co. 75.

ROCHESTER. Rochester Electric Co. 75.

SCOTTDALE. Scottdale Electric Light, Heat and Power Co. Capital stock, $15,000; all paid in. A. C. Overholt, President. S. C. Stevenson, Secretary and Superintendent. Joseph McIlvaine, Electrician. 3 Fort Wayne Jenney dynamos. Capacity of station, 25 arc, 1,300 inc. In use, 12 commercial arc, 12 public street arc, 750 commercial inc. Taylor engine and boiler, 3½ miles of street circuits. City pays $85 per light per year for 12 arc of 2,000 candles, burning all night on moon schedule. Contract expires in June, 1896. 65.

SCRANTON. Scranton Illuminating, Heat and Power Co. Capital stock, $200,000. Dr.

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B. H. Thorpe, President. Geo. A. Fuller, Secretary. J. E. Parrish, Superintendent and Electrician. Annual meeting held in January. 1 Thomson-Houston, 1 Sperry, 4 Western, 8 Edison dynamos. Capacity of station, 200 arc, 6,000 inc. In use, 170 commercial arc, wires for 9,000 commercial inc. 6 Ide engines, 10 100 h. p. Dickson boilers, Schieren, Shultz, Main and Ireson belts, Roebling wire, 300 miles of street circuits. S S F.

The Suburban Light Co. M F 75.

Scranton Electric Light and Heat Co. V V H 75.

Scranton Gas and Water Co. Z H 75.

SEWICKLEY. W. D. Uptegraff. F 85.

SHAMOKIN. Shamokin Arc Light Co. Capital stock, $9,250; all paid in. Holden Chester, President. C. C. Leader, Secretary. John McEleice, Superintendent and Electrician. Annual meeting held in February. 1 American dynamo. Capacity of station, 50 arc. In use, 37 commercial arc. 1 100 h. p. Payne engine, 1 Keeler boiler, Main belts, 4 miles of street circuits. P F.

Edison Electric Illuminating Co. Capital stock, $27,000; all paid in. Holden Chester, President. George O. Martz, Secretary. John McEleice, Superintendent and Electrician. Annual meeting held in February. 4 Edison dynamos. Capacity of station, 2,400 inc. In use, 2,300 commercial inc. 2 Armington & Sims engines, 3 Babcock & Wilcox boilers, Main belts, 4 miles of street circuits. Ju.

SHARPSBURG. Plant is owned by the city and run in connection with water works. George Fitch, Superintendent and Electrician. 2 Indianapolis Jenney dynamos. Capacity of station, 50 arc In use, 12 commercial arc. 1 Ball high speed engine, 2 tubular boilers, Schieren belts, Standard wire, 4 miles of street circuits.

SHENANDOAH. Citizens' Electric Light Co. Capital stock, $25,000; paid in, $23,250. P. J. Ferguson, President. John Gruhler, Secretary. William Kimmel, Superintendent. George Saeger, Electrician. Annual meeting held in April. 3 Thomson-Houston dynamos. Capacity of station, 150 arc. In use, 62 commercial arc, 34 public street arc. 1 Valley, 2 Armington & Sims engines, 2 boilers, 10 miles of street circuits. City pays $108 per light per year for 34 arc of 2,000 candles, burning all of every night. Contract expires May 1, 1892. R H.

Shenandoah Electric Illuminating Co. Samuel A. Beddall, President. R. Stocker, Secretary. H. A. Swalm, Superintendent. A. Trezise, Electrician. Annual meeting held in January. 3 Brush dynamos. Capacity of station, 1,600 inc. In use, 1,200 commercial inc. 1 125 h. p. Ide, 2 50 h. p. Ball engines, Erie boilers, Earle & Griffin belts. R H.

SUNBURY. Edison Electric Illuminating Co. of Sunbury. Capital stock, $25,000; paid in, $22,500. Godfrey Hess, President. C. J. Callahan, General Manager. J. S. Gersting, Secretary and Treasurer. Edison system. 2 Armington & Sims engines. R G.

SUSQUEHANNA. Susquehanna Electric Light, Heat and Power Co. Capital stock, $20,000; all paid in. J. G. Brewer, President. A. W. Cook, Secretary. 1 inc., 2 Westinghouse arc dynamos. Capacity of station, 80 arc, 750 inc. In use, 46 commercial arc, 13 public street arc, 500 commercial inc., 4 public street inc. 2 75 h. p. Westinghouse engines, 2 80 h. p. Erie boilers, Schieren belts, 5 miles of street circuits. City pays $100 per light per year for 13 arc of 2,000 candles and for 4 inc. of 25 candles, burning all of every night. Contract goes into effect July 1, 1890, for one year. Ju.

TAMAQUA. Edison Electric Illuminating Co. Capital stock, $25,000. H. A. Weldy, President. F. P. Spiese, Secretary. A. M. Gilbert, Electrician. 4 Edison dynamos. Capacity of station, 2,000 lights. 1 Porter-Allen engine. S G.

TARENTUM. Tarentum Electric Co. Capital stock, $50,000; paid in, $10,000. Col.

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R. A. Travis, President. John F. Humes, Secretary. John H. Humphrey, Superintendent. Annual meeting held in September. Thomson-Houston dynamos. Capacity of station, 650 inc. In use, 700 commercial inc. 1 Taylor engine and boiler, Hill clutches, Roebling wire, 5 miles of street circuits. P G.

TITUSVILLE. Water and Light Department. Plant owned by the city. G. W. Angrier, Superintendent. C. C. Hardenburg, Electrician. Annual meeting held in April. 1 Van Depoele dynamo. Capacity of station, 60 arc. In use, 4 commercial arc, 59 public street arc. 1 Titusville Iron Co. engine, Akron belts, Roebling wire, 4½ miles of street circuits. Plant put in in June, 1889. Steam is obtained from the water works.

TYRONE. Home Electric Light and Steam Heating Co. Capital stock, $16,000. Isaac P. Walton, President. Geo. H. Garner, Secretary. James M. Smith, Superintendent. S. L. Smith, Electrician. Annual meeting held July 1. 2 Westinghouse dynamos. Capacity of station, 1,500 inc. In use, 1,000 commercial inc., 100 public street inc. Ball engines, Erie City boilers, Schieren belts, Roebling wire, 5 miles of street circuits. City pays $16.68 per light per year for 100 inc. of 25 candles, burning all of every night. P P G.

UNIONTOWN. Uniontown Electric Light and Power Co. Capital stock, $50,000. J. A. C. Boyd, President. W. G. Hay, Treasurer and General Manager. 3 Westinghouse dynamos. Capacity of station, 60 arc, 1,250 inc. In use, 10 commercial arc, 50 public street arc, 1,250 commercial inc. 2 Westinghouse engines, 2 Reese boilers, Munson belts, Roebling wire, 7 miles of street circuits. City pays $70 per light per year for 50 arc of 2,000 candles, burning all of every night. Contract made May 2, 1890, for three years. D D F.

WARREN. Warren Electrical Light Co. Capital stock, $25,000. James C. Wells, President. S. J. Franklin, Secretary and Superintendent. Annual meeting held in September. 1 Thomson-Houston dynamo. Capacity of station, 80 arc. In use, 13 commercial arc, 12 public street arc. 1 Rice engine, 1 Struthers, Wells & Co. boiler, Link Leather belts, Trinidad wire, 5 miles of street circuits. City pays $78 per light per year for 12 arc of 1,200 candles, burning every night till midnight. Contract expires in December, 1896. P F.

WASHINGTON. Washington Electric Light and Power Co. Capital stock, $20,000. C. M. Reed, President. J. C. Acheson, Secretary. C. E. Hoover, Superintendent. Annual meeting held in January. 2 Westinghouse alternating dynamos. Capacity of station, 1,250 inc. In use, 1,100 commercial inc. 1 Ball, 1 Beck engine, 1 Russell, 1 Taylor boiler, Standard Underground wire, 2 miles of street circuits. Ju.

WATSONTOWN. Watsontown Electric Light, Heat and Power Co. Capital stock, $15,000. J. H. Wagner, President. S. H. Hicks, Secretary. W. S. Taylor, Superintendent and Electrician. 1 United States dynamo. Capacity of station, 10 arc, 800 inc. In use, 400 inc. 1 Riley high speed engine, 1 Keeler boiler, Sleigh belts, K. & K. wire, 2 miles of circuits. P P F.

WAYNE. Wayne Electric Light Co. Capital stock, $40,000; all paid in. James C. Pinkerton, President. Dr. J. C. Egbert, Secretary. Robert E. Dallas, Superintendent and Electrician. Annual meeting held in May. 4 Edison dynamos. Capacity of station, 3,000 inc. In use, 1,600 commercial inc., 70 public street inc. 2 Armington & Sims engines, 2 D. A. Plaine boilers, Shultz belts, Moore wire, 5 miles of street circuits. City pays, $31 per light per year for 70 inc. of 32 candles, burning all night on moon schedule. Ju.

WAYNESBURG. Waynesburg Electric Light and Power Co. Capital stock, $15,000; all paid in. D. S. Walton, President. Robt. W. Munnell, Secretary. John T. Ullow, Superintendent. C. S. McClelland, Electrician. Annual meeting held in September. 1 Brush dynamo. Capacity of station, 600 inc. In use, 600 commercial

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inc., 100 public street inc. 1 Phœnix engine and boiler, Roebling wire. City pays $17 per light per year for 100 inc. of 16 and 25 candles, burning all of every night. Contract expires November 26, 1895. P P G.

WEST CHESTER. Edison Electric Illuminating Co. Capital stock, $65,000; paid in, $60,000. Robert J. Cornwell, President. Horace M. Philips, Secretary. Geo. B. McCormick, Assistant Superintendent. J. E. Pyle, Electrician. Annual meeting held in January. 6 Edison dynamos. Capacity of 'station, 3,520 amperes. In use, 18 commercial arc, 14 public street arc, 2,800 commercial inc., 250 public street inc. Straight Line engines, Jacob Naylor boilers, Shultz belts, Moore wire, 80 miles of street circuits. City pays $120 per light yer year for 14 arc of 1,200 candles and $15 for 250 inc. of 16 candles, burning all of every night. Contract expires in October, 1890. V G.

WILKES BARRE. Wilkes Barre Electric Light Co. Capital stock, $100,000; all paid in. Sheldon Reynolds, President. H. A. Fuller, Secretary. Thomas W. O'Brien, Superintendent. Annual meeting held in December. 8 Edison, 1 Thomson-Houston, 8 Excelsior, 6 Arnoux-Hochhausen dynamos. Capacity of station, 230 arc, 5,000 inc. In use, 117 commercial arc, 49 public street arc, 4,500 commercial inc. 4 Ideal, 5 Payne engines, 8 Harrisburg boilers, Underwood belts, Roebling and Okonite wire, 5 miles of street circuits. City pays $120 per light per year for 49 arc of 2,000 candles, burning all of every night. Contract expires in April, 1898. W G.

WILKINSBURG. Wilkinsburg Electric Co. 75.

WILLIAMSPORT. Edison Electric Illuminating Co. Capital stock, $100,000; all paid in. E. A. Rowley, President. J. Clinton Hill, Secretary. Messrs. Shaw and Hess, Superintendents. Annual meeting held in January. 2 American, 6 Edison dynamos. Capacity of station, 100 arc, 6,000 inc. In use, 98 commercial arc, 5,000 commercial inc. 1 Valley, 3 Buckeye engines, 6 Keeler boilers, Schieren belts, 50 miles of street circuits. W H.

Lycoming Electric Co. Capital stock, $100,000. John R. T. Ryan, President. John Lawshe, Vice-President. H. R. Rhodes, Secretary. Carl Young, Electrician. Annual meeting held in January. 7 Westinghouse and Waterhouse dynamos. Capacity of station, 300 arc, 2,250 inc. In use, 20 commercial arc, 170 public street arc, 800 commercial inc. 4 Westinghouse engines, Babcock & Wilcox boilers, George Slote & Sons belts, Standard Underground Cable Co. wire, 30 miles of street circuits. City pays $84 per light per year for 170 arc of 2,000 candles and for 8 inc. of 16 candles, burning all of every night. Contract expires in December, 1894. W G.

YORK. People's Electric Light Co. Capital stock, $50,000; all paid in. Horace Kelsey, President. James H. Scholl, Secretary. Wm. F. Wallin, Superintendent and Electrician. Annual meeting held in May. 5 Thomson-Houston and American dynamos. Capacity of station, 270 arc. In use, 83 commercial arc. 2 Farquhar engines, 5 boilers, Moore wire, 5 miles of street circuits. V G.

Edison Electric Light Co. Capital stock, $80,000; paid in, $50,000. Geoffrey P. Yost, President. J. V. Giesy, Secretary. W. F. Wallin, Superintendent and Electrician. Annual meeting February 1. 6 Edison dynamos. Capacity of station, 3,500 inc. In use, 4,000 inc., 151 public arc. 5 Trenton engines, 6 local boilers, K. & K. wire, Schieren belts, 30 miles of circuits. Ju.

RHODE ISLAND.

EAST GREENWICH. Phœnix Electric Light and Coal Co. Capital stock, $100,000; all paid in. Joseph Dewes, President. Fred N. Card, Secretary and Superintendent. Annual meeting held in July. 2 Ball arc, 2 Thomson-Houston inc. dynamos. Capacity of station, 100 arc, 2,500 inc. In use, 74 commercial arc, 26 public street arc, 1,100 commercial inc. 1 Armington & Sims engine, 1 Babcock & Wilcox boiler,

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Ireson belts, American wire, 15 miles of street circuits. City pays $75 per light per year for 26 arc of 1,200 candles, burning till 1 A. M. every night. Contract expires annually in April. Ju.

KINGSTON. Narragansett Pier Electric Light and Power Co. Capital stock, $60,000; all paid in. John Babcock, President. John E. Babcock, Secretary. Wm. C. Clarke, General Manager. J. F. Packard, Superintendent and Electrician. Annual meeting held in July. 6 Thomson-Houston dynamos. Capacity of station, 80 arc, 4,000 inc. In use, 70 public street arc, 600 to 3,500 commercial inc. 3 Jarvis engines, Clark wire, 20 miles of street circuits. City pays $65 per light per year for 70 arc of 1,200 candles, burning till 1 A. M. on moon schedule. Ju.

NEWPORT. The Edison Illuminating Co. 75. See Addenda.

PAWTUCKET. Pawtucket Gas Co. Capital stock, $500,000. L. B. Darling, President. E. A. Perrin, Secretary and Superintendent. Olin Smith, Electrician. Annual meeting held in June. 15 Thomson-Houston dynamos. Capacity of station, 475 arc, 1,700 inc. In use, 800 commercial arc, 177 public street arc, 1,400 commercial inc. Armington & Sims engines, 5 boilers, 50 miles of street circuits. City pays $120 per light per year for 177 arc of 2,000 candles, burning till 1 A. M. and all night 300 nights per year. Contract expires in July, 1892. Z Z H.

PROVIDENCE. Narragansett Electric Lighting Co. Capital stock, $600,000. Harvey E. Wellman, President. M. J. Perry, Vice-President and General Manager. Van A. Thomas, Superintendent and Electrician. Thomson-Houston and Westinghouse systems. 8 Armington & Sims engines. X H.

WAKEFIELD. Narragansett Electric Light and Power Co. 75

WARWICK. People's Edison Illuminating and Power Co. Capital stock, $30,000. Henry L. Greene, President. Charles F. Hill, Secretary. Annual meeting held in June. Have contracted for 2 Edison dynamos, 1,200 lights, 1 Armington & Sims engine, etc. The post office address of the company is Riverpoint, R. I. Ju.

WESTERLY. Westerly Gas and Electric Light Co. Capital stock, $50,000; all paid in. Edwin Babcock, President. Arthur Perry, Secretary. John H. Hodgson, Superintendent. Annual meeting held in May. 1 Westinghouse, 3 Thomson-Houston dynamos. Capacity of station, 60 arc, 1,050 inc. In use, 19 commercial arc, 25 public street arc, 900 commercial inc., 132 public street inc. 1 Armington & Sims, 1 Westinghouse engine, 2 boilers, Ireson link belts, American wire, 10 miles of street circuits. City pays $62 per light per year for 25 arc of 1,200 candles, and $11.80 for 132 inc. of 25 candles, burning every night till midnight. Contract expires in September, 1894. Ju.

WOOD RIVER JUNCTION. U. A. Walton & Co. 75.

WOONSOCKET. Woonsocket Electric Machine and Power Co. Capital stock, $200,000; all paid in. A. W. Buckland, President. L. C. Lincoln, Secretary. F. J. Pond, Superintendent. Annual meeting held in April. 14 Thomson-Houston dynamos. Capacity of station, 270 arc, 3,000 inc. In use, 126 commercial arc, 82 public street arc, 2,900 commercial inc. 5 Armington & Sims and Corliss engines, 6 Hicks & Cunningham boilers, Hoyt belts, American and K. K. wire, 25 miles of street circuits. City pays $182.50 per light per year for 82 arc of 2,000 candles, burning all of every night. Contract expires in July, 1892. Lights the town of Blackstone with 26 lamps upon same conditions. Contract for 5 years. Furnishes 2 lamps to North Smithfield and 2 to Woonsocket free. Y H.

Woonsocket Gas Co. Capital stock, $250,000; all paid in. Henry C. Kimball, President. Reuben G. Randall, Secretary. Z. M. Jenks, Superintendent. Thos. R. Cooper, Electrician. Annual meeting held in September. 3 Brush dynamos. Capacity of station, 90 arc, 600 inc. In use, 50 commercial arc, 300 commercial inc. 2 Otto gas engines, Lothrop (local) belts, 3 Hunter clutches, P. & B. and Grimshaw wire, 5 miles of street circuits. Z H.

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SOUTH CAROLINA.

BLACKSBURG. Blacksburg Street Railway and Electric Light Co. Capital stock, $12,000; all paid in. John S. Jones, President. J. E. Black, Secretary. L. Gibson, Superintendent and Electrician. Annual meeting held in December. Schuyler dynamo. Capacity of station, 80 arc. In use, 15 public street arc, 72 commercial inc. Taylor engine, 4 miles of street circuits. City pays $146 per light per year for 15 arc of 1,500 candles, burning every night till midnight. Ju.

CHARLESTON. Charleston Light and Power Co. Capital stock, $50,000; all paid in. Geo. B. Edwards, President. P. P. Toole, Secretary. F. P. Upson, Superintendent and Electrician. Annual meeting held in June. 9 Thomson-Houston dynamos. Capacity of station, 200 arc, 1,500 inc. In use, 100 commercial arc, 104 public street arc, 1,485 commercial inc., 4 public street inc. 1 Putnam, 2 Westinghouse engines, 8 tubular boilers, 40 miles of street circuits. City pays $100 per light per year for 104 arc of 1,200 candles, for 4 inc. of 32 candles, burning on moon schedule. Contract expires in December, 1890. V G.

COLUMBIA. Congaree Gas and Electric Co. Capital stock, $25,000; all paid in. John T. Sloan, Jr., President. John P. Thomas, Jr., Secretary. A. F. McKissick, Superintendent and Electrician. Annual meeting held in November. 4 Thomson-Houston dynamos. Capacity of station, 90 arc, 500 inc. In use, 36 commercial arc, 19 public street arc, 300 commercial inc., 100 public street inc. Taylor engines, Erie City boilers, Schieren belts, K. K. wire, 18 miles of street circuits. City pays $144 per light per year for 19 arc of 1,200 candles, and $24 for 100 inc. of 20 candles, burning all of every night. Contract expires in January, 1891. R R G.

GREENVILLE. Greenville Gas and Electric Light Co. R. R. Asbury, President. A. D. Asbury, Secretary. 1 Thomson-Houston dynamo. Capacity of station, 18 arc. 1 Westinghouse engine, high speed, 1 Frick boiler, Akron belts, 1½ miles of circuits. Ju.

SPARTANBURG. Spartanburg Gas, Electric Light and Power Co. Capital stock, $50,000. A. H. Leftwich, President. W. C. Thomson, Secretary. W. P. Campbell, Superintendent. J. M. Wood, Electrician. Schuyler dynamos. Capacity of station, 100 arc. In use, 20 commercial arc, 50 public street arc. Westinghouse engines. City pays $80 per light per year for 60 arc of 1,500 candles, burning all of every night. Contract expires in January, 1898. G 108.

SUMTER. Sumter Electric Light Co. Capital stock, $10,000; all paid in. R. M. Wallace, President. J. D. Auld, Secretary and Superintendent. C. T. Mason, Jr., Electrician. 1 Westinghouse, 1 Waterhouse dynamo. Capacity of station, 35 arc, 500 inc. In use, 300 public street arc, 450 commercial inc. 2 Westinghouse engines, Erie boilers, Sehieren belts, Simplex wire, 6 miles of street circuits. City pays $120 per light per year for 30 arc of 2,000 candles, burning all night on moon schedule. Contract expires in August, 1899. 104.

SOUTH DAKOTA.

BROOKINGS. Brookings Electric Light Co. Capital stock, $10,000; paid in, $2,500. A. J. Dox, President. Louis Putnam, Secretary. R. S. Lyon, Treasurer. E. E. Gaylord, Superintendent and Electrician. Annual meeting held in October. 1 Waterhouse dynamo. Capacity of station, 25 arc. In use, 5 commercial arc, 7 public street arc, 87 commercial inc. Ideal engine, North Star boiler, Page and Munson belts, Shield brand wire, 3½ miles of street circuits. City pays $120 per light per year for 7 arc of 1,700 candles, burning every night till midnight. Contract expires in March, 1898. K G.

DEADWOOD. Black Hills Electric Light Co. Capital stock, $20,000; all paid in. Harris Franklin, President. Sol. Star, Secretary. Paul Rewman, Superintendent. J. H.

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Ford, Electrician. Annual meeting held in May. 1 Excelsior, 3 Jenney dynamos. Capacity of station, 75 arc. In use, 38 commercial arc, 8 public street arc. Buckeye engines, 9 miles of street circuits. City pays $250 per light per year for 8 arc of 2,000 candles, burning all of every night. Contract expires in 20 years. Ju.

HURON. Huron Electric Light and Power Co. Capital stock, $50,000. W. B. Sterling, President. F. E. Sterling, Secretary. Leonard Underwood, Superintendent. Harry Fishkeller, Electrician. Annual meeting held in November. 2 Thomson-Houston dynamos. Capacity of station, 45 arc, 400 inc. In use, 25 commercial arc, 11 public street arc, 300 commercial inc. 1 Buckeye engine and boiler, Munson belts, Underwriters' wire, 6 miles of street circuits. City pays $150 per light per year for 11 arc of 1,200 candles, burning till 1 A. M. every night. Contract expires in August, 1891. Ju.

MITCHELL. Northwest Thomson-Houston Electric Co. (operating Mitchell Electric Co.'s station). Capital stock, $15,000. Chas. C. Michael, Superintendent. Thomson-Houston dynamos. Capacity of station, 30 arc, 650 inc. In use, 11 commercial arc, 9 public street arc, 200 commercial inc. Rice antomatic engines, Allis boilers, Cotton Leather belts, Underwriters' wire, 3 miles of street circuits. City pays $132 per light per year for 9 arc of 1,200 candles, burning every night till midnight. P P G.

PIERRE. Pierre Electric Light and Power Co. G 75.

RAPID CITY. Electric and Gas Light Co. Capital stock, $50,000; paid in, $20,000. D. H. Clark, President. H. W. Somers, Secretary. Chas. Gay, Superintendent. Dr. V. T McGillgouddy, Electrician. Annual meeting held in May. Brush and Thomson-Houston dynamos. Capacity of station, 47 arc, 1,000 inc. In use, 37 commercial arc, 10 public street arc. Water power, Underwriters', Ansonia and P. & B. wire, 5 miles of street circuits. City pays $180 per light per year for 10 arc of 1,200 candles, burning every night till midnight. No specified limit to contract. P P G.

SIOUX FALLS. The Cascade Milling Co. Capital stock, $75,000; all paid in. I. Emerson, President. G. E. Wheeler, Secretary. Oscar Ericsson, Superintendent and Electrician. Annual meeting held in May. 4 Edison, 1 Van Depoele dynamo. Capacity of station, 30 arc, 1,350 inc. In use, 10 commercial arc, 1,200 inc., 15 public arc, 2 inc. 1 Ball, 1 Corliss, high and low speed engines, 2 Erie boilers, Underwood belts. V G.

WATERTOWN. Watertown Heating, Light and Power Co. Capital stock, $20,000; paid in, $10,000. M. W. Sheafe, President. J. W. Martin, Secretary. Edwin Newgard, Superintendent and Electrician. Annual meeting held in June. 2 Thomson-Houston dynamos. Capacity of station, 45 arc, 600 inc. In use, 25 commercial arc, 12 public street arc, 400 commercial inc. Buckeye engines, North Star and Buckeye boilers, Underwriters' wire, 3 miles of street circuits. City pays $150 per light per year for 12 arc of 1,200 candles, burning every night till midnight. Contract expires in 1893. Ju.

YANKTON. Yankton Light and Power Co. Capital stock, 25,000; paid in, $23,000. Geo. R. Scougal, President. J. F. Coleman, Secretary. C. S. Winters, Superintendent and Electrician. 1 United States arc, 2 Westinghouse inc. dynamos. Capacity of station, 20 arc, 750 inc. In use, 17 public street arc, 600 commercial inc. Westinghouse and Sioux City Corliss engines, Sioux City boilers, Munson belts, Okonite wire, 4½ miles of street circuits. City pays $10 per light per year for 17 arc of 2,000 candles, burning till midnight on moon schedule. S G.

TENNESSEE.

CHATTANOOGA. Chattanooga Electric Light Co. Capital stock, $100,000; all paid in. D. W. Hughes, President and Secretary. A. G. Delbitt, Superintendent. Annual meeting held in January. Thomson-Houston dynamos. Capacity of station, 400 arc, 2,000 inc. In use, 80 commercial arc, 158 public street arc, 2,000 commercial

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inc. Ball engines, Armstrong and Webb boilers, Munson and Schieren belts, Ansonia and K. K. wire, 30 miles of street circuits. City pays $120 per light per year for 158 arc of 2,000 candles, burning all of every night. V F.

CLARKSVILLE. Clarksville Electric Light and Power Co. Capital stock, $15,000; paid in, $12,000. E. B. Ely, President. Clay Stacker, Secretary and Superintendent. H. F. Goosetree, Electrician. Annual meeting held in January. 3 Jenney dynamos. Capacity of station, 60 arc, 100 inc. In use, 25 commercial arc, 28 public street arc, 90 commercial inc. 1 Ball engine. 5½ miles of street circuits. City pays $84 per light per year for 28 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in March, 1891. P F.

COLUMBIA. Columbia Improvement Co. Capital stock, $150,000. E. C. McDonell, President. Ernest Yoest, Secretary. Thomson-Houston plant. Capacity, 50 arc of 2,000 candle power, and 600 inc. of 16 candle power.

DYERSBURG. Dyersburg Water and Electric Light Co. 75.

FAYETTEVILLE. Fayetteville Electric Light and Power Co. 29 Indianapolis Jenney lights. G 85.

FRANKLIN. Franklin Electric Light and Power Co. W. E. Omstead, President. P. E. Cox, Secretary. J. L. Parties, Jr., Superintendent. 2 Thomson-Houston dynamos. Capacity of station, 20 arc, 300 inc. In use, 11 public street arc. 1 Russell engine and boiler, Schieren belts, P. & B. and Shield brand wire, 4 miles of street circuits. City pays $90.90 per light per year for 11 arc of 2,000 candles, burning all of every night. Contract expires in 1894. Q 85.

GREENEVILLE. Greeneville Electric Light Co. Capital stock, $5,000; paid in, $4,000. A. N. Shaw, President. A. B. Wilson, Secretary. H. Reaves, Superintendent. J. O. Harrell, Electrician. Annual meeting held in November. Thomson-Houston dynamos. Capacity of station, 50 arc, 250 inc. In use, 14 commercial arc, 10 public street arc, 135 commercial inc. Russell engines and boilers, 3 miles of street circuits. City pays $80 per light per year for 10 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires in January, 1891. L G.

HARRIMAN. East Tennessee Land Co. J. P. Suverkrop, Manager. D. G. Spurgin, Electrician. 1 Westinghouse alternating 65 arc dynamo. In use, 55 lamps. 1 75 h. p. Westinghouse engine, Nagle boiler, link belts, Standard Underground Cable Co.'s wire, 4 miles of street circuits. Will double present capacity soon. Ju.

JACKSON. Citizens' Gas Light Co. Capital stock, $50,000; all paid in. John G. Keith, President. Stephen Howes, Secretary and General Manager. Allan Roe, Electrician. Annual meeting held in February. 2 American dynamos. Capacity of station, 100 arc. In use, 70 commercial arc, 30 public street arc. 1 100 h. p. Buckeye engine, 2 Erie City boilers, Schieren belts, 2 Hill clutches, Cowles and Underwriters' wire, 16 miles of street circuits. City pays $80 per light per year for 30 arc of 2,000 candles, burning on moon schedule. Contract expires in 1898. V G.

KNOXVILLE. Knoxville Schuyler Electric Light and Power Co. Capital stock, $40,000. J. M. Thornbury, President. J. P. McMullen, Secretary. Robt. Emmerson, Superintendent and Electrician. Annual meeting held in October. 5 Schuyler dynamos. Capacity of station, 250 arc. In use, 84 commercial arc, 46 public street arc. Fitchburg engines, Roebling wire, 15 miles of street circuits. City pays $120 per light per year for 46 arc of 2,000 candles, burning all of every night. Contract expires in May, 1891. S S H.

LEBANON. Lebanon Electric Light Co. 75.

McMINNVILLE. McMinnville Electric Light and Power Co. Capital stock, $4,000; paid in, $3,600. W. P. Faulkner, President. H. S. Walling, Secretary. John Masteller, Electrician. Annual meeting held in December. 1 Thomson-Houston dynamo. Capacity of station, 35 arc. In use, 20 commercial arc, 8 public street arc, 2 commer-

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cial inc. Water power. 2 miles of street circuits. City pays $62.50 per light per year for 6 arc of 2,000 candles, burning all of every night. Contract expires in May, 1892. K K F.

MEMPHIS. Memphis Light and Power Co., successors to local Brush and Thomson-Houston Co.'s. Capital stock, $150,000; all paid in. S. T. Carnes, President. C. W. Heiskell, Secretary. F. E. Boardman, Superintendent and Electrician. Annual meeting held in August. 7 Brush and Thomson-Houston dynamos. Capacity of station, 500 arc, 1,800 inc. In use, 331 commercial arc, 100 public street arc, 884 commercial inc. 1 250 h. p. Corliss, 1 150 h. p. Atlas Corliss, 2 90 h. p. Ball engines, Milburn boilers, various wires, 50 miles of street circuits. City pays $180 per light per year for 100 arc of 2,000 candles, burning all of every night. Contract expires annually. W G.

MURFREESBORO. City Illuminating Co. Capital stock, $25,000; all paid in. B. W. Hicks and J. W. Perry, Proprietors. 1 Slattery dynamo. Capacity of station, 1,000 inc. In use, 500 commercial inc., 110 public street inc. 1 125 h. p. Buckeye engine, 2 70 h. p. boilers, New York Belt Co.'s belts, 12½ miles of street circuits. City pays for 110 inc., $16.50 for those of 25 c. p., and $22.50 for those of 50 c. p., burning on Philadelphia moon schedule. Contract expires in February, 1895, 105.

NASHVILLE. Capitol Electric Co. Capital stock, $200,000; all paid in. Dr. T. A. Atchison, President. A. Dahlgren, Secretary. William Kerven, Superintendent and Electrician. Annual meeting held in January. 6 Westinghouse inc., 9 alternating arc dynamos. Capacity of station, 585 arc, 7,000 inc. In use, 150 commercial arc, 250 public street arc, 5,400 commercial inc. Simplex and Grimshaw wire, 85 miles of street circuits. City pays $90 per light per year for 250 arc of 2,000 candles, burning all of every night. Contract expires in March, 1893. F 85.

SHELBYVILLE. E. Sheperd, Owner. 1 Indianapolis Jenney dynamo. Capacity of station, 30 arc. In use, 20 commercial arc. Run by water power. 2½ miles of street circuits. Ju.

SOUTH PITTSBURG. South Pittsburg Electric Light and Power Co. 75.

TALLAHOMA. Tallahoma Electric Light Co. Capital stock, $6,000; all paid in. J. Hawkins, President and Superintendent. G. A. Hawkins, Secretary and Electrician. Annual meeting held in January. 1 Jenney dynamo. Capacity of station, 32 arc. In use, 22 commercial arc, 4 public street arc. 1 Payne engine, 2 Mansfield boilers, Shultz belts, Underwriters' wire, 2 miles of street circuits. City pays $93.75 per light per year for 4 arc of 2,000 candles, burning every night till midnight. Contract expires in April, 1892. Ju.

UNION CITY. Beck, Bransford & Co. Capital stock, $44,000; all paid in. O. Dirks, President. A. H. Lattimer, Secretary. Samuel Ford, Superintendent and Electrician. Annual meeting held in February. 1 Jenney dynamo. In use, 170 commercial inc. 1 Westinghouse engine, 2 miles of street circuits. S G.

TEXAS.

AUSTIN. Austin Water, Light and Power Co. Capital stock, $750,000; paid in, $187,500. M. D. Mather, President. D. L. Wicks, Secretary. J. E. Johnson, Superintendent and Electrician. Annual meeting held in June. 3 Brush and 3 Westinghouse dynamos. Capacity of station, 120 arc, 3,750 inc. In use, 80 commercial arc, 25 public street arc, 2,500 commercial inc., 100 public street inc. 6 Ball engines, 8 Pond boilers, Ireson belts, Standard Underground wire, 16 miles of street circuits. City pays $150 per light per year for 25 arc of 2,000 candles and for 100 inc. of 25 candles, burning all of every night. Contract expires in July, 1893. Ju.

BEAUMONT. Beaumont Ice, Light and Refrigerating Co. Capital stock, $50,000; paid in, $40,000. L. P. Ogden, President. E. L. Bacon, Secretary and Superintendent.

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W. B. Hubbell, Electrician. Annual meeting held in June. Jenney dynamos. Capacity of station, 35 arc, 650 inc. In use, 30 commercial arc, 4 public street arc, 665 commercial inc. Russell 90 h. p. engine., 240 h. p. Brownell boilers, Underwriters' wire. City pays $120 per light per year for 4 arc of 2,000 candles, burning all of every night. No contract. V G.

BELTON. Belton Electric Light Co. Capital stock, $20,000; paid in, $15,000. Don A. Chamberlin, President. M. V. Smith, Secretary. 1 Heisler dynamo. Capacity of station, 310 inc. In use, 277 commercial inc., 23 public street inc. 1 90 h. p. Russell engine, 1 80 h. p. boiler, Buffalo belts, 11 miles of street circuits. City pays $27 per light per year for 23 inc. of 32 candles, burning till 1 A. M. every night. Contract expires in March, 1891. P P G.

BONHAM. Bonham Electric Light and Power Co. Capital stock, $50,000; paid in, $20,000. Benj. Dabney, President. Jno. W. Russell, Secretary. Geo. A. Preston, Superintendent. Geo. W. Ritchie, Electrician. Sperry and Heisler dynamos. Capacity of station, 20 arc, 600 inc. In use, 11 commercial arc, 9 public street arc, 500 commercial inc. 1 Russell engine and boiler, leather belts, Shield brand and K. K. wire, 11 miles of street circuits. City pays $126 per light per year for 9 arc of 2,000 candles, burning all of every night. Contract expires in December, 1895. R F.

BRYAN. Bryan Water, Ice and Electric Light Co. Capital stock, $28,000. G 75.

CORSICANA. Corsicana Electric Light and Power Co. Owned by J. E. Whiteselle. C. M. Hattery, Electrician. 50 Indianapolis Jenney lights. Ju.

DALLAS. Electric Light, Power and Manufacturing Co. Seth Miller, President. Wm. Enfield, Manager. J. R. Schoolfield, Superintendent. A. S. Wilson, Electrician. 1 Thomson-Houston, 2 Sperry, 2 Edison dynamos. Capacity of station, 90 arc, 1,500 inc. In use, 90 commercial arc, 1,000 commercial inc. 2 150 h. p. Russell engines, 2 Russell, 2 Erie boilers, 10 miles of street circuits. V V H.

DENISON. Denison Electric Light and Power Co. Capital stock, $20,000. J. B. McDougal, President. J. T. Munson, Secretary. John Kline, Electrician. 65 Van Depoele lights. P P G.

Queen City Electric Light and Power Co. Capital stock, $100,000. Owen J. Cooke, President. E. W. Naylor, Secretary. Henry Garrett, Superintendent and Electrician. 8 Ft. Wayne Jenney dynamos. Capacity of station, 180 arc, 2,200 inc. In use, 65 commercial arc, 115 public arc, 2,000 commercial inc. 4 Taylor engines, high speed, 4 Taylor boilers, "Electric" belts, "Western Electric" wire, 40 miles of circuits. Ju.

EAGLE PASS. Texas-Mexican Electric Light and Power Co. Capital stock, $40,000. J. W. Riddle, President. A. E. Fretelliere, Secretary. C. R. Prouty, Superintendent. R. H. Tate, Electrician. Annual meeting held in January. 1 Westinghouse alternating dynamo. Capacity of station, 750 inc. In use, 750 commercial inc., 20 public street inc. Westinghouse engine, Erie boiler, Munson belts, Standard wire, 5 miles of street circuits. City pays $12 per light per year for 20 inc. of 32 candles, burning all of every night. Contract expires in May, 1891. G 85.

EL PASO. El Paso Electric Light Co. J. T. White, President. D. S. Kennedy, Superintendent and Electrician. Brush and Heisler dynamos. Capacity of station, 75 arc, 500 inc. Westinghouse engines, high speed, Erie boilers. S G.

FORT WORTH. Fort Worth Light and Power Co. Capital stock, $300,000; paid in, $225,000. Henry C. Scott, President. W. W. Greene, Secretary. J. C. Lord, Superintendent and Electrician. Annual meeting held in January. Westinghouse dynamos. Capacity of station, 125 arc, 3,750 inc. Ide and Hamilton-Corliss engines, Taylor boilers, Candee wire. V G.

GAINESVILLE. Gainesville Light and Fuel Co. Capital stock, $80,000. J. M. Lindsay, President. H. M. Lindsay, Secretary. E. L. Hopper, Superintendent. J. C.

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Jones, Electrician. Annual meeting held in November. 1 Westinghouse alternating, 2 Van Depoele dynamos. Capacity of station, 40 arc, 650 inc. In use, 34 commercial arc, 11 public street arc, 250 commercial inc. Beck and Ide engines, Atlas and Taylor boilers, Munson belts, Candee wire, 5 miles of street circuits. City pays $180 per light per year for 11 arc of 2,000 candles, burning all of every night. Contract expires annually in March. V G.

GALVESTON. Brush Electric Light and Power Co. Capital stock, $——; paid in, $94,800. J. M. Brown, President. C. P. Russell, Secretary and Treasurer. Frank Beck, Superintendent. C. D. Brann, Electrician and Manager. Annual meeting held in December. Brush and Westinghouse dynamos. Capacity of station, 1,500 inc. In use, 70 commercial arc, 1,800 commercial inc. 2 Buckeye engines, Heine and Putman boilers, Chicago Belting Co. belts. W H.

City Electric Light Plant. David Hall, Superintendent. 7 Western dynamos. Capacity of station, 210 arc, 400 inc. In use, 175 commercial arc, 175 public street arc, 260 commercial inc. 1 Rice, 2 Buckeye engines, Union boilers, Munson belts, 46½ miles of street circuits. Lamps burn all dark hours and cost $72 per year each.

HOUSTON. Citizens' Electric Light and Power Co. Owned by the Fort Wayne Electric Co. Geo. S. Smith, Superintendent and Electrician. 6 Wood, 2 Slattery dynamos. Capacity of station, 350 arc, 2,000 inc. In use, 100 commercial arc, 86 public street arc, 2,000 commercial inc., 160 (City Hall) public inc. 1 Hamilton-Corliss engine, 4 boilers, Munson belts, 4 East River clutches, Ansonia wire, 15 miles of street circuits. City pays 42 cents per light per night for 130 arc of 2,000 candles, burning all of every night. Contract expires in April, 1895. Ju.

Houston Electric Light and Power Co. Capital stock, $28,500; all paid in. T. W. House, President. G. R. Vaugan, Secretary. L. E. Miller, Superintendent and Electrician. Annual meeting held in May. 2 Westinghouse and 9 United States dynamos. Capacity of station, 175 arc, 1,500 inc. In use, 47 commercial arc, 1,460 commercial inc. 2 Armington & Sims engines, 2 Hewes & Phillips boilers, Schieren belts, K. K. wire, 16 miles of street circuits. S G.

LAREDO. Laredo Electric Light and Machine Co. Capital stock, $60,000. A. C. Hunt, Jr., Superintendent. G. E. Harris, Electrician. 1 American arc and 6 Edison dynamos. Capacity of station, 15 arc, 2,600 inc. In use, 15 commercial arc, 15 public street arc, 1,600 commercial inc., 276 public street inc. Phœnix engines, 2 boilers, Main and Page belts, Roebling wire, 15 miles of street circuits. City pays $2 per light per month per 16 candle power. Use 15 arc of 2,000 candles, and 176 inc. of 16 to 100 candles, burning all of every night. Contract expires in November, 1891. Also light Nuevo Laredo, Mexico, with 110 lamps, current for which is carried across the river on wires suspended from a cable. Have a two year contract at $3 each per month, Mexican money. Ju.

MARSHALL. Marshall Light and Power Co. Capital stock, $50,000; paid in, $32,000. E. J. Fry, President. W. C. Pierce, Secretary. W. H. Clark, Superintendent. F. H. Braunban, Electrician. Annual meeting held in May. 1 Westinghouse dynamo. Capacity of station, 750 inc. In use, 750 commercial inc., 90 public street inc. 1 Russell engine, Page belts, Shield brand wire, 5 miles of street circuits. City pays $24 per light per year for 90 inc. of 32 candles, burning all dark nights. Contract expires in January, 1895. 106.

Marshall Gas and Electric Light Co. Capital stock, $25,000; paid in, $18,000. J. H. Gates, President. G. H. Gates, Secretary. J. F. Johnson, Superintendent and Electrician. Annual meeting held in May. 1 Westinghouse alternating dynamo. Capacity of station, 900 inc. In use, 750 commercial inc. 1 Westinghouse high speed engine, 1 Erie boiler, Ireson's belts, Standard wire, 15 miles of circuits. G 75.

McKINNEY. Light and Ice Co. Capital stock, $45,000. C. W. Hill, President and Su-

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perintendent. J. P. Neuney, Secretary. Annual meeting held in February. Excelsior dynamos. Capacity of station, 30 arc, 500 inc. In use, 11 commercial arc, 8 public street arc. Westinghouse engines, 2 Brownell boilers, K. K. and Underwriters' wire, 10 miles of street circuits. City pays $150 per light per year for 8 arc of 2,000 candles, burning every night till midnight. Contract made in 1889, with no specified limit. Ju.

NEW BIRMINGHAM. New Birmingham Electric Light, Power and Street Railway Co. 75.

PALESTINE. The Edison Illuminating Co. Capital stock, $20,000; all paid in. J. W. Ozment, President. J. M. Fullenwider, Secretary. Ed. McClery, Superintendent and Electrician. Annual meeting held in January. 4 Edison dynamos. Capacity of station, 1,050 inc. In use, 900 commercial inc., 25 public street inc. Armington & Sims and Buckeye engines, Phœnix boilers, Shultz belts, Underwriters' wire, 3 miles of street circuits. City pays $30 per light per year for 25 inc. of 16 candles, burning all of every night. Ju.

PARIS. Paris Gas and Electric Light Co. Capital stock, $60,000; all paid in. Jas. J. Walsh, President. J. A. Parter, Secretary. J. Ulmer Jones, Superintendent. Chas. Anderson, Electrician. Annual meeting held in May. 2 Wood dynamos. Capacity of station, 100 arc. In use, 50 commercial arc. 1 Armington & Sims engine, 2 Pond boilers, Shultz belts, Candee and Underwriters' wire, 5 miles of street circuits. V G.

SAN ANGELO. San Angelo Electric Light Co. Capital stock, $15,000; paid in, $10,000. W. S. Cunningham, President. H. N. Hickley, Secretary, Superintendent and Electrician. Annual meeting held in November. 1 Westinghouse dynamo. Capacity of station, 750 inc. In use, 450 commercial inc. 1 Westinghouse engine, Erie boiler, Munson belts. P F.

SAN ANTONIO. San Antonio Gas Co. H. D. Kampman, President. Gus Giesscke, Secretary. W. E. Sherman, Superintendent and Electrician. Annual meeting held in March. 7 Brush dynamos. Capacity of station, 210 arc. In use, 70 commercial arc, 100 public street arc. 2 Ball engines, 3 Erie boilers, Benedict & Burnham belts. City pays 60 cents per light per night for 100 arc of 2,000 candles, burning all night on moon schedule. Contract expires in September, 1893. F 85.

The Electric Light and Power Co. Capital stock, $50,000. Not yet running. Thomson-Houston system.

SAN MARCOS. San Marcos Electric Light and Power Co. Capital stock, $10,000; all paid in. E. J. L. Green, President. J. W. Vance, Secretary. Eugene Green, Superintendent and Electrician. 1 Heisler dynamo. Capacity of station, 600 inc. In use, 300 commercial inc., 30 public street inc. 7 miles of street circuits. City pays $400 per year for 30 inc. of 15 to 100 candles, burning till 1.20 A. M. every night. Contract expires annually. N G.

SHERMAN. Sherman Oil and Cotton Co. Capital stock, $150,000; all paid in. J. C. Tassell, President. C. C. Jones, Secretary. John Thiessen, Superintendent and Electrician. 2 Westinghouse dynamos. Capacity of station, 1,500 inc. In use, 1,000 commercial inc. Lane & Bodley Corliss engines, Root water tube boilers, 10 miles of street circuits. W G.

Sherman City Electric Light Co. Plant owned by the city. B. I. Roe, Secretary. Robert Harvey, Superintendent. P. A. Noble, Electrician. 1 dynamo. Capacity of station, 60 arc. In use, 32 commercial arc, 16 public arc. 1 Russell high speed engine, 1 O'Brien boiler, Munson belts, Van Depoele wire, 7 miles of circuits.

TEXARKANA. Texarkana Electric Light Co. 75.

TYLER. Tyler Electric Light and Power Co. Capital stock, $40,000; all paid in. F. L. Dilley, President. H. G. Askew, Secretary. Edward Sawyers, Superintendent and Electrician. Annual meeting held June 1. 2 Westinghouse dynamos. Capacity

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of station, 1,600 inc. In use, 1,000 commercial inc., 106 public street inc. 2 Ball engines, 2 Phœnix boilers, Revere Rubber Co. belts, Trinidad, Underwriters' and Okonite wire, 35 miles of street circuits. City pays $20 per light per year for 106 inc. of 25 candles, burning all of every night. Contract expires in January, 1898. S G.

VICTORIA. Victoria Light, Power and Ice Co. Capital stock, $25,000; paid in, $7,500. G. A. Levi, President. J. K. Hexton, Secretary. J. G. Rose, Superintendent and Electrician. Annual meeting held in November. 1 Westinghouse dynamo. Capacity of station, 500 inc. In use, 450 commercial inc. 1 Erie engine and boiler, Schieren belts, 4 miles of street circuits. P G.

WACO. Waco Gas Co. Capital stock, $100,000. George Clark, President. John L. Brockenbrough, Secretary. W. H. Wiggins, Superintendent and Electrician. Annual meeting held in January. Jenney dynamos. Capacity of station, 110 arc, 500 inc. In use, 52 commercial arc, 27 public street arc, 300 commercial inc. 2 Buckeye engines, 22 miles of street circuits. City pays $180 per light per year for 27 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in 1895. Ju.

WEATHERFORD. Weatherford Water, Light and Ice Co. Capital stock, $50,000; paid in, $30,000. W. J. Sherman, President. R. W. Kindel, Secretary. J. M. Bassett, Superintendent. Albert Kelly, Electrician. 2 Edison dynamos. Capacity of station, 600 inc. In use, 450 commercial inc., 30 public street inc. Buckeye engines, 2 60 h. p. boilers, leather belts, 1 mile of street circuits. City pays $14 per light per year for 30 inc. of 16 candles, burning every night till midnight. No specified limit to contract. S G.

UTAH.

LOGAN. Plant owned by city. B. F. Ritter, Chairman of Committee. Plant purchased in 1888 for $6,000. 1 Thomson-Houston dynamo. Capacity of station, 18 arc, 60 inc. In use, 18 public arc, 60 inc. Run by water power in connection with mill. Thomson-Houston and Underwriters' wire, 2 miles of street circuits.

PARK CITY. Park City Light, Heat and Power Co. Capital stock, $16,000; paid in, $18,000. Barney Riley, President. D. C. McLaughlin, Secretary. W. G. Robson, Superintendent. William Grant, Electrician. Annual meeting 1st Thursday in April. 2 Edison dynamos. Capacity of station, 900 inc. In use, 600 commercial inc. 1 Ide high speed engine, 1 Creswell boiler, Munson belts, K. & K. wire, 9 miles of circuits. P F.

OGDEN CITY. Ogden City Electric Light Co. Capital stock, $65,000. David F. Walker, President. William G. Mills, Secretary. V. M. C. Silvia, General Manager. Geo. C. Elliott, Electrician. Brush and Heisler systems, water power. P P G.

SALT LAKE CITY. Salt Lake Power, Light and Heating Co. Capital stock, $50,000; all paid in. Thos. W. Ellerbeck, President. Thos. R. Ellerbeck, Secretary. R. B. Campbell, Superintendent and Electrician. Annual meeting held in September. 4 Brush, 1 Heisler dynamo. Capacity of station, 180 arc, 400 inc. In use, 105 commercial arc, 300 inc. 2 Buckeye engines, 4 Griffith & Wedge boilers. V G.

VERMONT.

BELLOWS FALLS. Edison Electric Light Co. 75.

BENNINGTON. Bennington Water Power and Light Co. Capital stock, $75,000; all paid in. Galen C. Moses, President. Frank A. Sawyer, Treasurer. John T. Sawyer, Superintendent and Electrician. 1 Thomson-Houston arc, 2 Westinghouse inc. dynamos. Capacity of station, 30 arc, 1,400 inc. In use, 26 public street arc. 1 150 h. p. Armington & Sims engine, 2 Hunter clutches. Use water power and engine as auxiliary. City pays $100 per light per year for 26 arc of 2,000 candles, burning till 2 A. M. on moon schedule. V G.

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BRANDON. Brandon Electric Light Co. F. E. Briggs, President. C. R. Smith, Superintendent and Electrician. Thomson-Houston dynamos. Capacity of station, 30 arc, 650 inc. In use, 15 commercial arc, 15 public street arc, 300 commercial inc. Corliss engines, Holmes boilers. City pays $75 per light per year for 15 arc of 2,000 candles, burning every night till midnight. S S H.

BRATTLEBORO. Brattleboro Gas Light Co. Capital stock, $50,000; paid in, $30,000. Dr. Henry D. Holton, President. C. F. Thompson, Secretary and Treasurer. Geo. H. Niles, Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 50 arc. In use, 1 commercial arc, 29 public street arc, 112 (series) commercial inc. 1 Ball engine, 1 boiler, 5½ miles of street circuits. City pays $95 per light per year for 28 arc of 2,000 candles, burning till midnight 300 nights per year. Contract expires in 1893. V G.

BURLINGTON. Burlington Gas Light Co. Capital stock, $125,000; all paid in. Wm. Wells, President. F. H. Parker, Secretary and Superintendent. Fred Dow, Electrician. Annual meeting held in July. 1 Westinghouse, 7 Brush dynamos. Capacity of station, 210 arc, 500 inc. In use, 56 commercial arc, 117 public street arc, 250 commercial inc. 4 60 h. p. Armington & Sims engines, 1 Hodge, 1 Cunningham boiler, Schieren and Underwood belts, American and Simplex wire, 32 miles of street circuits. City pays 30 cents per light per night for 117 arc of 2,000 candles, burning till 12.30 A. M., 21 to 25 nights per month. Contract expires in September, 1893. W W G.

Citizens' Light and Power Co. F 85.

MONTPELIER. Standard Light and Power Mfg. Co. Capital stock, $40,000. C. P. Pitkin, President. E. D. Blackwell, Secretary and Treasurer. C. A. Bailey, Superintendent. W. J. Bagley, Electrician. Thomson-Houston system. Water power. Ju.

RUTLAND. Rutland Electric Light Co. Capital stock, $50,000; paid in, $25,000. M. J. Francisco, President and Electrician. I. H. Francisco, Secretary. Annual meeting held in July. 5 Thomson-Houston dynamos. Capacity of station, 135 arc, 450 inc. In use, 79 commercial arc, 300 inc. 2 Ball, 1 Armington & Sims high speed engines, 1 Whittier, 2 Cunningham boilers, leather belts, various wires, 20 miles of circuits. R R G.

Marble City Electric Light Co. Capital stock, $50,000; paid in, $15,000. C. Parkmenter, President. Wm. B. Thrall, Secretary and Superintendent. Wm. B. Wilkinson, Electrician. Annual meeting held in July. 2 Western dynamos. Capacity of station, 100 arc. In use, 58 commercial arc, 45 commercial inc. 1 Fitchburg engine, 1 Robinson boiler, Jewell belts, 1 Hill clutch, Ansonia wire, 4 miles of street circuits. Ju.

RICHFORD. Sweat, Cummings & Co. Capital stock, $7,000; all paid in. R. H. Whitman, Electrician. 2 Thomson-Houston dynamos. Capacity of station, 12 arc, 200 inc. In use, 8 public street arc, 200 commercial inc. Water power, Schieren belts, 2 miles of street circuits. City pays $63.75 per light per year for 8 arc of 1,200 candles, burning till 11 P. M. on moon schedule. Contract expires in January, 1894. M M G.

ST. ALBANS. St. Albans Electric Light and Power Co. Capital stock, $15,000. T. S. Miller, President. W. H. Chaffee, Secretary. W. Tracy Smith, General Manager. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 85 arc. In use, 50 commercial arc. 1 Ball high speed engine, 1 Phœnix boiler, Schieren belts, Underwriters' and Simplex wire, 8 miles of circuits. R H.

ST. JOHNSBURY. St. Johnsbury Electric Light and Power Co. Owned and operated by the Thomson-Houston Electric Co. G. H. Frost, Superintendent. E. P. Little, Electrician. 8 Thomson-Houston dynamos. Capacity of station, 40 arc, 500 inc. In use, 1 commercial arc, 36 public street arc, 450 commercial inc. Water power, Gates belts, Hunter clutches, K. K. wire, 20 miles of street circuits. City pays $65 per light per year for 36 arc of 2,000 candles, burning every night till midnight. Contract expires in February, 1892. Ju.

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VIRGINIA.

ALEXANDRIA. City Electric Light Plant. L. S. Kirby, Superintendent. Annual meeting held in July. 2 Schuyler dynamos. Capacity of station, 100 arc. In use, 6 commercial arc, 66 public street arc. Taylor engine and boiler, K. K. wire, 10 miles of street circuits. Lamps burn all of every night.

Alexandria Electric Light Co. 75.

BEDFORD. Bedford Electric Light Co. Not yet in operation.

CHARLOTTESVILLE. Charlottesville and University of Virginia Electric Light and Gas Co. Capital stock, $25,000. John L. Cochran, President. R. D. Anderson, Secretary. W. E. Anderson, General Manager. Annual meeting held in February. 2 Edison dynamos. Capacity of station, 900 inc. In use, 700 commercial inc. 1 Taylor engine and boiler, Roebling wire, 2½ miles of street circuits. Ju.

DANVILLE. City of Danville. 75.

HAMPTON. Hampton Electric Light and Power Co. Edward Earle, President. J. B. Kearney, Secretary. L. M. Sawyer, Superintendent. Westinghouse and Brush dynamos. Capacity of station, 80 arc, 750 inc. In use, 10 commercial arc, 600 commercial inc. 1 Armington & Sims engine, 1 Elizabeth boiler, Munson belts, K. K. wire. Ju.

HARRISONBURG. City of Harrisonburg. Not yet in operation.

LIBERTY. Liberty Electric Light Co. G 75.

LYNCHBURG. Piedmont Electric Illuminating Co. Capital stock, $70,000; paid in, $35,000. C. H. Harman, President. W. H. Goodrich, Secretary and Treasurer. H. B. Steger, Superintendent. Cecil P. Poole, Electrician and General Manager. Annual meeting held in July. 4 Easton dynamos. Capacity of station, 220 arc, 1,400 inc. In use, 28 commercial arc, 150 public street arc, 580 commercial inc. 1 Ball engine, Glamorgan boiler, Munson and Schieren belts, Medart clutches, Moore wire, 60 miles of street circuits, also run 2 Victor and 1 Burnham turbine, aggregating 200 h. p. City pays 28 cents per light per night for 150 arc of 1,500 candles, burning all of every night. Contract expires December 9, 1894. Ju.

Electric Construction Co. 75.

NORFOLK. City Gas Light Co. Capital stock, $200,000; all paid in. C. S. Allmund, President. W. N. Grubb, Secretary. W. H. Jenks, Superintendent and Electrician. Annual meeting held in January. 5 Thomson-Houston dynamos. Capacity of station, 230 arc. In use, 25 commercial arc, 91 public street arc, 144 commercial inc. 3 Ball engines, 2 boilers, Schieren belts, Roebling and Clark wire, 20 miles of street circuits. City pays $90 per light per year for 91 arc of 1,200 candles, burning all dark nights. Contract expires in 1892. Y H.

Electric Company of Virginia. Capital stock, $625,000; all paid in. W. W. Chamberlaine, President. George Chamberlaine, Secretary. James L. Belote, Superintendent and Electrician. Annual meeting held in April. 1 American and 8 Brush dynamos. Capacity of station, 240 arc, 750 inc. In use, 107 commercial arc, 84 public street arc, 748 commercial inc. Armington & Sims, New York Safety and Westinghouse engines, Cunningham boilers, Schieren belts, Okonite and K. K. wire, 40 miles of street circuits. City pays $90 per light per year for 84 arc of 1,200 candles, burning all of every night but 3 per month. Contract expires in November, 1892. V V H.

Edison Electric Light and Power Co. Capital stock, $15,000. D. Lowenberg, President. C. B. Johnson, Secretary. Will erect plant soon.

PETERSBURG. Upper Appomattox Co. Aug. Wright, President. Russell Wallace, Treasurer. Hill Williams, Superintendent and Electrician. 7 Thomson-Houston dynamos. Capacity of station, 300 arc, 1,300 inc. In use, 39 commercial arc, 154 public street arc, 700 commercial inc. 1 Ball, 1 Westinghouse engine, 2 Petersburg boilers, Schieren and Norwich belts, 1 Hill clutch, Ansonia and K. K. wire, 56 miles of street

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circuits. City pays $96 per light per year for 156 arc of 1,200 candles, burning all of every night. V G.

Petersburg Fuel, Power and Lighting Co. Not yet in operation.

PORTSMOUTH. Portsmouth Gas Co. 65 American lights. V V H.

RICHMOND. Old Dominion Electric Light and Power Co. P F.

Richmond Schuyler Electric Light Co. M. B. Flynn (deceased), President and Treasurer. William B. Pizzini, Secretary. Schuyler system. Ju 75.

ROANOKE. Roanoke Electric Light and Power Co. Capital stock, $35,000; all paid in. C. O. Learey, President. James McGehee, Secretary. W. H. Mackay, General Manager. Annual meeting in June. 2 Edison dynamos. Capacity of station, 1,000 inc. In use, 1,265 commercial inc. 1 Beck engine, Taylor boiler, Edison wire, 3 miles of street circuits. Ju.

Home Electric Light Co. 75.

STAUNTON. Alex. H. Fultz, Mayor. Plant purchased by city in 1886 for $7,264. 100 lights of 1,200 candle power. Thomson-Houston system. Run by steam in connection with water works.

SOUTH BOSTON. City Electric Light Plant. T. H. Meballe, Superintendent. 2 Brush dynamos. Capacity of station, 25 arc, 250 inc. In use, 4 commercial arc, 7 public street arc, 198 commercial inc. 1 Ball engine and boiler, Shultz belts, 3 miles of street circuits.

WEST POINT. West Point Water, Light and Power Co. Capital stock, $25,000; paid in, $16,000. E. Wilkinson, President and Superintendent. Thomas W. Sharp, Secretary. C. H. Richardson, Electrician. Annual meeting held in July. 1 Thomson-Houston dynamo. Capacity of station, 520 inc. In use, 480 commercial inc., 40 public street inc. McIntosh & Seymour engine, Richmond Locomotive Works boiler, Schieren belts, K. K. and Simplex wire, 5 miles of street circuits. City pays $15 per light per year for 40 inc. of 25 candles, burning till midnight on moon schedule. Contract expires in 1894. R H.

WINCHESTER. Winchester Gas and Electric Light Co. Capital stock, $33,000; all paid in. W. H. Baker, President and Secretary. C. E. Hoover, Superintendent and Electrician. Annual meeting 2d Tuesday in January. 2 Schuyler dynamos. Capacity of station, 60 arc, In use, 2 commercial arc, 1 inc., 51 public arc. 1 Beck high speed engine, 1 Taylor boiler, Underwood belts, K. & K. and Candee wire, 7½ miles of circuits. S S H.

WHYTHEVILLE. Electric Power and Improvement Co. C. W. Cleaver, Mayor. Plant not completed.

WASHINGTON.

ABERDEEN. Aberdeen Electric Co. Capital stock, $25,000; paid in, $20,000. John G. Lewis, President. George D. Allen, Secretary. L. G. Martin, Superintendent. B. M. Weatherway, Electrician. Annual meeting held in June. United States dynamos. Capacity of station, 45 arc, 800 inc. In use, 31 commercial arc, 12 public street arc, 350 commercial inc. Bay State engines and boilers, Underwriters' wire, 8 miles of street circuits. City pays $144 per light per year for 12 arc of 1,200 candles, burning all of every night. R G.

COLFAX. Colfax Electric Light and Power Co. Capital stock, $12,000; all paid in. W. J. Hamilton, President. Chas. F. Russell, Secretary. C. A. Coolidge, Superintendent. Annual meeting held in July. 1 Waterhouse, 1 Edison dynamo. Capacity of station, 35 arc, 240 inc. In use, 25 commercial arc, 10 public street arc, 230 commercial inc., 10 public street inc. 1 50 h. p. Westinghouse engine, Erie boiler, Munson and Schieren belts, Standard Underground Cable Co. wire. City pays $180 per light per year for 10 arc of 2,000 candles and $24 for 10 inc. of 16 candles, burning all of every night. Contract expires January 1st, annually. L F.

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DAYTON. Dayton Electric Light and Power Co. Capital stock, $20,000; paid in, $17,000. J. E. Edeniston, President and Superintendent. J. A. Kellogg, Secretary. Frank Mathews, Electrician. Annual meeting held in September. 8 Edison dynamos. Capacity of station, 50 arc, 700 inc. In use, 40 commercial arc, 16 public street arc, 400 commercial inc. Water power, Cook belts, 7 miles of street circuits. City pays $150 per light per year for 16 arc of 2,000 candles, burning all of every night. Contract expires in July, 1891. P P G.

ELLENSBURG. Ellensburg Light and Power Co. J. A. Shoudy, President. Dexter Shoudy, Secretary. E. T. Charboresick, Superintendent and Electrician. Annual meeting held in December. 2 Edison, 2 American dynamos. Capacity of station, 100 arc, 1,000 inc. In use, 51 commercial arc, 15 public street arc, 300 commercial inc. 1 100 h. p. Ball engine and boiler, Schieren belts, 5 Hill clutches, 8 miles of street circuits. City pays $182.50 per light per year for 15 arc of 2,000 candles, burning all of every night. Contract expires in November, 1899. F 85.

FAIRHAVEN. Fairhaven Electric Light, Power and Motor Co. Capital stock, $100,000; paid in, $30,000. Pierce Evans, President. James F. Wardner, Secretary. F. W. Gillette, Superintendent. E. C. Buckley, Electrician. Annual meeting held in July. 2 Edison and 2 American dynamos. Capacity of station 100 arc, 2,000 inc. In use, 51 commercial arc, 400 commercial inc. 1 Russell engine and boiler, Edison wire, 6 miles of street circuits. S G.

MONTESANO. City of Montesano. 75.

NORTH YAKIMA. Yakima Electric Light Co. Capital stock, $50,000. Edward Whitson, President. Frederick S. Woodward, Secretary. Annual meeting held in May. Will run 2 Thomson-Houston dynamos, 50 arc and 650 inc., by water power. City will pay $144 per light per year for 7 arc of 2,000 candles, burning all of every night. Contract made January 18, 1890, for 10 years. Expect to be in operation by September.

OLYMPIA. Olympia Gas and Electric Light Co. Capital stock, $50,000. R. Frost, President. A. H. Chambers, Secretary and Superintendent. C. McClelland, Electrician. Annual meeting held in January. 1 Thomson-Houston dynamo. Capacity of station, 30 arc. In use, 25 commercial arc. 1 Waterhouse engine, high speed, 1 boiler, rubber belts, Thomson-Houston wire, 3 miles of circuits. V G.

SEATTLE. Seattle Gas and Electric Light Co. John Collins, President. A. A. Drury, Secretary. J. E. S. Cain, Superintendent and Electrician. 5 American dynamos. Capacity of station, 250 arc. In use, 230 commercial arc. Ball engines, Schrams belts, Roebling and P. & B. wire, 24 miles of street circuits. Z H.

Pacific Electric Light Co. Capital stock, $150,000. Edward C. Kilbourne, President and Manager. Chas. A. Kilbourne, Secretary. Corliss P. Stone, Vice-President and Treasurer. Are putting in 1 1,300 alternating inc., 1 650 alternating inc., and 1 45 arc dynamo, all Thomson-Houston. Expect to put in a generator for motors.

Seattle Lumber and Commercial Co. Capital stock, $10,000; all paid in. I. Dabron, President and Superintendent. D. B. Denton, Secretary. S. H. Peters, Electrician. Annual meeting held in August. Westinghouse dynamos. Capacity of station, 105 arc, 1,500 inc. P G.

Seattle Electric Light Co. 75.

SNOHOMISH. Snohomish Electric Light, Power and Gas Co. Capital stock, $25,000; paid in, $15,450. Eheron Ferguson, President. C. H. Stickles, Secretary, Superintendent and Electrician. Annual meeting held in February. 1 American, 2 Edison dynamos. Capacity of station, 55 arc, 600 inc. In use, 28 commercial arc, 5 public street arc, 394 commercial inc. 2 Ball engines, 2 Erie City boilers, Schieren belts, Edison and Grimshaw wire, 5 miles of street circuits. City pays $140 per light per year for 5 arc of 2,000 candles, burning all of every night. Contract expires annually in March. P F.

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SPOKANE FALLS. Edison Electric Illuminating Co. Capital stock, $200,000; paid in, $150,000. F. Rockwood Moore, President. W. L. Norman, Secretary and Manager. J. B. Fisken, Electrician. Annual meeting held in July. Edison, American and Thomson-Houston dynamos. Capacity of station, 350 arc, 4,500 inc. In use, 250 commercial arc, 100 public street arc, 3,500 commercial inc. Victor water wheels, American leather link belts, Stilwell & Bierce clutches, Ansonia, Edison and Grimshaw wire. City pays $120 per light per year for 100 arc of 2,000 candles, burning all of every night. W H.

SPRAGUE. Sprague Electric Light Co. Capital stock, $10,000; paid in, $7,500. J. H. Shields, President and Superintendent. B. B. Glascock, Secretary. Elbert Dills, Electrician. 1 Westinghouse arc, 1 Westinghouse inc. dynamo. Capacity of station, 35 arc, 500 inc. In use, 20 commercial arc, 10 public street arc, 200 commercial inc. Westinghouse engine, Russell boiler, Page belts, Standard Underground Cable Co. wire, 2 miles of street circuits. City pays $180 per light per year for 10 arc of 2,000 candles, burning all of every night. Contract expires in January, 1895. Ju.

TACOMA. Tacoma Light and Water Co. Capital stock, $1,500,000; all paid in. Theodore Hosmer, President. Joseph H. Houghton, Secretary. Charles B. Hurley, Superintendent. Annual meeting 2d Wednesday in December. 3 American, 9 Thomson-Houston, 1 Edison dynamo. Capacity of station, 600 arc, 1,500 inc. In use, 525 commercial arc, 120 inc. 5 Russell, 1 Westinghouse engine, high speed, 2 Leffel turbines, 10 Russell, 2 Nagle boilers, Nott and Stearns belts, Phillips wire, 20 miles of circuits. Y G.

VANCOUVER. City Electric Light Plant. J. W. McArthur, Electrician. 1 Brush, 2 Edison dynamos. Capacity of station, 45 (1,200 c. p.) arc, 800 inc. In use, 6 commercial arc, 26 public street arc, 600 commercial inc. Russell engines, 6 miles of street circuits.

WALLA WALLA. Walla Walla Gas and Electric Co. Capital stock, $100,000; paid in, $70,000. H. Wadsworth, President. Charles E. Burrows, Secretary and Superintendent. Annual meeting held in January. 2 American dynamos. Capacity of station, 85 arc. In use, 30 commercial arc, 30 public street arc. 1 Ball engine, Erie boilers, Schieren belts, Ansonia wire, 8 miles of street circuits. City pays $156 per light per year for 30 arc of 1,200 candles, burning all of every night. Contract expires in January, 1892. P P G.

WEST VIRGINIA.

BRAMWELL. The Bramwell-Pocahontas Electric Light Co. P F 75.

CHARLESTON. Kanawha Electric Light Co. Capital stock, $50,000; paid in, $35,000. O. H. Michaelson, President and Superintendent. W. S. Laidley, Secretary. Annual meeting held in January. 3 Westinghouse and Thomson-Houston dynamos. Capacity of station, 100 arc, 650 inc. In use, 50 commercial arc, 50 public street arc, 650 commercial inc. Mansfield and Westinghouse engines, Mansfield and Hazelton tripod boilers, Ireson, Schieren and Page belts, 3 Taper Sleeve clutches, Roebling wire, 15 miles of street circuits. City pays $72 per light per year for 50 arc of 1,200 candles, burning on moon schedule. Contract expires in February, 1891. S S H.

CLARKSBURG. Clarksburg Electric Light and Power Co. Capital stock, $15,000. C. M. Hart, President. W. F. Richards, Secretary. 1 Ball, 2 Edison dynamos. Capacity of station, 70 arc, 560 inc. In use, 4 commercial arc, 37 public street arc, 475 commercial inc. 3 miles of street circuits. City pays $44 per light per year for 37 arc of 800 candles, burning on moon schedule. Contract expires in June, 1892. P P G.

HUNTINGTON. Huntington Electric Light and Street Railway Co. Capital stock, $80,000; all paid in. R. A. Matthews, President. J. L. Calawell, Secretary and

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Superintendent. E. M. Hathaway, Electrician. Annual meeting held in May. 2 United States, 2 Waterhouse, 1 Mather dynamo, 1 Brush generator. Capacity of station, 95 arc, 750 inc. In use, 15 commercial arc, 52 public street arc, 700 commercial inc. Buckeye and Beck engines and boilers, Hoyt belts, 6 Hill clutches, Underwriters' and Standard Underground Cable Co. wire, 15 miles of street circuits. City pays $80 per light per year for 52 arc of 2,000 candles, burning all of every night. Contract expires in 1894. V V H.

KEYSER. Keyser Electric Light and Power Co.

MARTINSBURG. Edison Electric Illuminating Co. 75.

MILL CREEK. Bramwell-Pocahontas Electric Light Co. Capital stock, $15,000; all paid in. John Cooper, President. T. L. Hewitze, Secretary. Hiram T. Nurcur, Superintendent and Electrician. 2 Westinghouse dynamos. Capacity of station, 750 inc. In use, 700 commercial inc. 1 Westinghouse engine, 2 Carey boilers, Munson belts, Okonite and Underwriters' wire, 10 miles of street circuits. Ju.

MOUNDSVILLE. Moundsville Electric Light Co. Not yet in operation.

NEW CUMBERLAND. New Cumberland Light, Heat and Power Co. Capital stock, $12,500. Hugh McMahn, President. Albert Haigh, Secretary and Superintendent. E. E. Ruse, Electrician. Annual meeting held in February. 1 Westinghouse alternating dynamo. Capacity of station, 750 inc. In use, 500 commercial inc., 38 public street inc. Buckeye engine, R. Monroe boiler, Standard Underground Cable Co. wire, 3 miles of street circuits. City pays $18.25 per light per year for 38 inc. of 25 candles, burning till midnight every night. Contract expires in February, 1891. Ju.

PARKERSBURG. Parkersburg Electric Light and Power Co. Capital stock, $100,000. C. C. Martin, President. W. W. Van Winkle, Secretary. O. M. Brown, Superintendent and Electrician. Annual meeting held in January. 2 Ft. Wayne, 3 Westinghouse dynamos. Capacity of station, 66 arc, 2,250 inc. In use, 5 commercial arc, 58 public street arc, 1,400 commercial inc. 4 Westinghouse engines, 3 Bigelow boilers, Roebling wire, 10 miles of street circuits. City pays $108 per light per year for lamps on mast arms, and $96 for those not on mast arms. The lamps burn all of every night, and 58 of 2,000 candles are used. S G.

PIEDMONT. Piedmont Electric Light and Power Co. Capital stock, $20,000; all paid in. P. S. Minshall, President. H. F. Harrison, Secretary. Annual meeting held in April. 1 Thomson-Houston, 2 Edison dynamos. Capacity of station, 20 arc, 600 inc. In use, 7 commercial arc, 14 public street arc, 790 commercial inc. 2 Taylor engines and boilers, Granby belts, 4 Taylor clutches. City pays $100 per light per year for 14 arc of 2,000 candles, burning all of every night. Contract expires June 30, 1894. P F.

POINT PLEASANT. Point Pleasant Electric Light and Power Co. Not yet in operation.

WELLSBURG. Wellsburg Electric Light, Heat and Power Co. 75.

WESTON. Weston Electric Light, Power and Water Co. Capital stock, $10,000; paid in, $5,000. Louis Bennett, President. John S. Mitchell, Secretary. George W. Jackson, Superintendent. Annual meeting held in November. 1 Sperry and 2 Edison dynamos. Capacity of station, 20 arc, 360 inc. In use, 12 public street arc, 150 commercial inc. 1 Hart engine and boiler, Underwood belts, Edison wire, 2¼ miles of street circuits. City pays $71 per light per year for 12 arc of 1,200 candles, burning every night till midnight. Contract expires in December, 1894. Ju.

WEYER'S CAVE. The Grottoes of the Shenandoah. 75.

WHEELING. The Wheeling Electrical Co. Capital stock, $84,000; all paid in. J. H Hobbs, President. John B. Garden, Secretary. J. S. Hays, Superintendent and Electrician. Annual meeting held in June. 3 Westinghouse alternating dynamos. Capacity of station, 1,950 inc. In use, 2,800 commercial inc. 3 Westinghouse engines,

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5 boilers, Hoyt and Munson belts, Roebling wire, run 8 Van Depoele dynamos for an electric railway. S G.

WISCONSIN.

ANTIGO. Antigo Edison Electric Light Co. Capital stock, $20,000; all paid in. Lewis Lusk, President and Superintendent. J. H. Trever, Secretary. Annual meeting held in July. 4 Edison dynamos. Capacity of station, 1,728 inc. In use, 1,300 commercial inc 2 Russell engines and boilers, leather link belts, 6½ miles of street circuits. R H.

APPLETON. Appleton Edison Light Co. Capital stock, $80,000; all paid in. A. E. Smith, President. C. A. Beveridge, Secretary and Treasurer. F. G. Kurz, Superintendent and Electrician. Annual meeting held in January. 4 Edison dynamos. Capacity of station, 2,560 inc. In use, 2,950 commercial inc. Elmer, Victor and Leffel water wheels, Munson belts, Underwriters' and Okonite wire. City is lighted by gas on a 20 year contract, which expires in 2 years. R H.

ASHLAND. Ashland Lighting Co. Edwin Ellis, President. Wm. Tomkins, Secretary. Geo. W. Marshall, Superintendent. W. R. Freisenberg, Electrician. Brush and Thomson-Houston dynamos. Capacity of station, 115 arc, 600 inc. In use, 75 commercial arc, 125 commercial inc. Beck and Westinghouse engines, 10 miles of street circuits. P P G.

BARABOO. Baraboo Light, Heat and Power Co. Capital stock, $10,000; all paid in. M. A. Warner, President. J. F. Mathew, Secretary and Superintendent. Annual meeting held in September. 2 Edison dynamos. Capacity of station, 1,000 inc. In use, 2 commercial arc, 2 public street arc, 700 commercial inc. 2 Northwestern water wheels, 150 h. p., Munson belts, Allis clutches, Roebling and K. K. wire, 10 miles of street circuits. City pays $100 per light per year for 2 arc of 800 candles, burning all of every night. Contract made in May, 1890. M M G.

BEAVER DAM. Beaver Dam Electric Light Co. Capital stock, $25,000; paid in, $19,500. John T. Smith, President and Superintendent. W. H. Thorpe, Secretary. C. Peck, Electrician. Annual meeting held in October. 2 Westinghouse alternating dynamos. Capacity of station, 1,300 inc. In use, 700 commercial inc., 162 public street inc. 2 Westinghouse engines, 2 Erie City boilers, Ansonia wire, 7 miles of street circuits. City pays $16 per light per year for 162 inc. of 16 candles, burning till midnight on all dark nights. Contract expires in December, 1891. N. G.

BELOIT. Beloit Electric Light and Power Co. Capital stock, $30,000; paid in, $20,000. W. A. Knapp, President. R. J. Burge, Secretary. W. G. Patterson, Superintendent and Electrician. Annual meeting held in November. 1 Excelsior, 2 Ball dynamos. Capacity of station, 170 arc. In use, 105 commercial arc, 19 public street arc. 1 Hoffmann & Billings Corliss engine, Root boiler, Commonwealth Rubber Co. and Preston belts, Underwriters' wire, 6 miles of street circuits. City pays $96 per light per year for 19 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in August, 1890. S S H.

BLACK RIVER FALLS. Hugh H. Price. R. G. Mason, Superintendent. 2 Brush dynamos. Capacity of station, 55 arc. In use, 30 commercial arc, 6 public street arc, 30 (series) commercial inc. Water power, Munson belts, Hill clutches, Ansonia wire, 4 miles of street circuits. City pays $216 per light per year for 6 arc of 2,000 candles, burning all of every night. Contract expires in 1891. V G.

BRODHEAD. Bennett & Lucas. Capital stock, $3,500. E. G. Bennett, President. C. W. Lucas, Secretary and Superintendent. J. Lyman, Electrician. 1 Edison dynamo. Capacity of station, 320 inc. In use, 200 commercial inc., 29 public street inc. Water power. City pays $9 per light per year for 29 inc. of 16 candles, burning till 11 P. M. on moon schedule. N G.

DE PERE. De Pere Land and Water Power Co. Not yet in operation.

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EAU CLAIRE. Eau Claire Brush Electric Co. Capital stock, $30,000; all paid in. H. H. Hayden, President and Secretary. A. A. Farman, Superintendent and Electrician. Annual meeting held in September. 2 Brush, 2 Jenney, 2 National dynamos. Capacity of station, 130 arc, 2,000 inc. In use, 38 commercial arc, 75 public street arc, 1,600 commercial inc. Water power, Schieren belts, Hill clutches, K. K. wire, 30 miles of street circuits. City pays $110 per light per year for 75 arc of 2,000 candles, burning all of every night. Contract expires in July, 1894. R H.

Eau Claire Electric Light and Power Co. P P G 75.

FOND DU LAC. Gas Light Co. of Fond du Lac. Capital stock, $50,000; all paid in. Joseph Andrews, President. John Rodgers, Secretary. T. J. Murphy, Superintendent. Annual meeting held in May. 2 Brush dynamos. Capacity of station, 100 arc. 1 Ideal high speed engine, 2 local boilers, Munson belts, Western Electric wire, 20 miles of circuits. V G.

GLENWOOD. Glenwood Mfg. Co. Y Y H 75.

GREEN BAY. Green Bay and Fort Howard Electric Light Co. C. A. Brown, President. Carroll Collins, Secretary and Superintendent. Annual meeting held in January. 3 Western dynamos. Capacity of station, 120 arc. In use, 74 commercial arc, 29 public street arc. 2 60 h. p. Porter engines, 1 O'Leary boiler, Munson belts, 14 miles of street circuits. City pays $84 per light per year for 29 arc of 2,000 candles, burning till midnight on moon schedule. W G.

HUDSON. C. Wausgard. Plant cost $8,500. 2 Edison dynamos. Capacity of station, 600 inc. In use, 500 commercial inc. Ball engine. G 85.

HURLEY. Gogebic Electric Light Co. John H. Pease, President. E. A. Pease, Secretary. W. E. Wade, Superintendent. 3 Brush dynamos. Capacity of station, 75 arc, 500 inc. In use, 63 commercial arc, 250 inc. 1 Ball high speed engine. Ju.

JANESVILLE. Janesville Electric Light Co. John Manning, Proprietor. 2 Thomson-Houston dynamos. Capacity of station, 90 arc. In use, 50 commercial arc, 9 public street arc. Water power, Munson belts, Wheeler clutches, Okonite and Shield brand wire, 4 miles of street circuits. City pays, $90 per light per year for 9 arc of 1,200 candles, burning every night till 11 P. M. No definite contract. G 85.

LA CROSSE. Edison Light and Power Co. Capital stock, $75,000; paid in, $65,000. F. H. Copeland, President. E. E. Bentley, Secretary and Treasurer. Wm. D. Kurtz, Superintendent and Electrician. Annual meeting held April. 6 Edison dynamos. Capacity of station, 4,800 inc. 3 Beck engines, 3 Nichols boilers, Schieren belts, Ansonia wire, 35 miles of street circuits. V G.

La Crosse Brush Electric Light and Power Co. Paid in, $65,000. A. H. Anderson, President. George McMillan, Secretary and General Manager. Allen P. McMillan, Superintendent and Electrician. Annual meeting 1st Monday in January. 4 Brush dynamos. Capacity of station, 190 arc. 3 Allis-Corliss low speed engines, 3 local boilers, Cowles and K. & K. wire, 4 Hill clutches, 35 miles of circuits. V V H.

MADISON. Madison Electric Co. Not incorporated. Geo. W. Gilman, Secretary and General Manager. 1 Jenney inc., 3 Thomson-Houston arc dynamos. Capacity of station, 150 arc, 800 inc. In use, 55 commercial arc, 64 public street arc, 450 commercial inc. 2 Ideal engines, 2 Phœnix boilers, Munson belts, 20 miles of street circuits. City pays $90 per light per year for 64 arc of 2,000 candles, burning every night till midnight. Contract expires annually in August. V V H.

MANITOWOC. Electric Light Co. Capital stock, $35,000; all paid in. John Schuette, President. Edward Schuette, Secretary. Jacob Cloos, Electrician. 4 Edison dynamos. Capacity of station, 3,000 inc. In use, 2,100 commercial inc., 150 public street inc. 2 Reynolds-Corliss engines, 14 miles of street circuits. City pays $10 and $15 per light per year for 150 inc. of 16 and 24 candles, burning on moon schedule. Contract made April 23, 1889, for five years. V V H.

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MARINETTE. Marinette Lighting Co. 87 Brush lights. S S H 75.

MARSHFIELD. Upham Manufacturing Co. Capital stock, $500,000; all paid in. W. H. Upham, President. M. H. Wheeler, Secretary. E. A. Upham, Electrician. Annual meeting held in February. Thomson-Houston and Mather dynamos. Capacity of station, 30 arc, 200 inc. In use, 12 commercial arc, 12 public street arc, 10 commercial inc. 1 Allis engine, 5 Burns boilers, Bickford & Francis belts. City pays $—— per light per year for 12 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires January, 1893. Ju.

MENOMINEE. Knapp, Stout & Co. X X H 75.

MERRILL. Merrill Railway and Lighting Co. Capital stock, $20,000. W. A. Scott, President. E. S. King, Secretary. Francis E. Mathews, Superintendent. Israel Shank, Electrician. Annual meeting held in December. 1 Edison, 2 United States dynamos. Capacity of station, 800 inc. In use, 375 commercial inc., 100 public street inc. 1 135 h. p. Leffel water wheel, various belts, 10 miles of street circuits. City pays $22 per light per year for 100 inc. of 16 candles, burning all ight whenever needed. Contract expires in October, 1897. City also pays for 25 lamps of 32 c. p. in the City Hall. R G.

MILWAUKEE. Edison Electric Illuminating Co. Capital, $500,000; about 20 per cent. paid in. Charles Roy, President. H. C. Payne, Vice-President. C. F. Illsley, Treasurer. J. H. Tweedy, Jr., Secretary. Have been granted a franchise by the city and are now erecting a plant. Will furnish both light and power.

Wisconsin Electric Light Co. Incorporated by T. R. Mercein, Bradley Schley and others. Have done nothing toward erecting a plant as yet.

Badger Illuminating Co. A. C. Badger, President. Thos. R. Mercein, Secretary and Manager. S. G. Coleman, Superintendent and Electrician. Annual meeting held in January. 10 Thomson-Houston dynamos. Capacity of station, 380 arc. In use, 330 commercial arc, 135 public arc. 8 Allis-Corliss engines, low speed, 1 Allis, 1 Tripod boiler, Leviathan belts, Kerite and K. & K. wire, 9 Eclipse clutches, 27 miles of circuits. Ju.

MONROE. Monroe Electric Light and Power Co. G 85.

NEENAH. Neenah and Menasha Gas and Electric Co. Capital stock, $50,000; paid in, $40,000. E. L. Matherson, President. Thos. Higgins, Secretary and Superintendent. H. Nichols, Electrician. 1 Brush, 1 Edison dynamo. Capacity of station, 45 arc, 450 inc. In use, 38 commercial arc, 300 inc. 1 Payne high speed engine, 1 Marine boiler, Munson belts, Roebling wire, 12 miles of circuits. S S A.

NEILLSVILLE. Electric and Water Supply Co. Capital stock, $6,000; all paid in. John Paulus, President. R. F. Kountz, Secretary and Superintendent. John F. Landgraf and W. F. Heff, Electricians. Annual meeting 1st Monday in January. 1 Sperry, 1 Edison, 1 Excelsior dynamo. Capacity of station, 37 arc, 225 inc. In use, 23 commercial arc, 225 inc., 8 public arc. 1 Reynolds-Corliss, 1 Phœnix engine, high and low speed, 1 Phœnix boiler, Schieren and Munson belts, Underwriters' wire, 3 Hill clutches, 2¼ miles of circuits. M G.

OCONTO. Oconto Electric Light Co. Capital stock, $20,000; paid in $10,000. Geo. Beyer, President. E. G. Mullen, Secretary. D. M. Wilcox, Electrician. Annual meeting held in November. 1 United States dynamo. Capacity of station, 500 inc. 1 Ide high speed engine, 1 boiler. Ju.

OSHKOSH. Oshkosh Electric Light and Power Co. Capital stock, $75,000; paid in, $40,000, C. C. Page, President and Superintendent. T. D. Governor, Secretary. Charles Shutz, Electrician. Annual meeting held in May. 9 Thomson-Houston dynamos. Capacity of station, 275 arc, 1,000 inc. In use, 150 commercial arc, 100 public street arc, 750 commercial inc. 3 Ball engines, 3 Battis Bros. boilers, 10 Eclipse clutches, 45 miles of street circuits. City pays $52 per light per year for 100 arc of

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1,200 candles, burning till 1 A. M. on moon schedule. Contract expires in November, 1892. S S H.

Oshkosh Gas Light Co. Capital stock, $100,000; all paid in. Joseph Andrews, President. Wm. Mainland, Secretary and Superintendent. E. W. Miller, Electrician. Annual meeting held in July. 4 Brush dynamos. Capacity of station, 130 arc. In use, 25 commercial arc, 65 public street arc. Ball and Otto gas engines, Munson belts, Eclipse clutches, 80 miles of street circuits. City pays $52 per light per year for 65 arc of 1,200 candles, burning till 1 A. M. on all dark nights. Contract expires in November, 1890. V G.

PORTAGE. Portage American Gas Co. S S H 75.

RACINE. Badger Electric Co. Capital stock, $75,000; all paid in. P. H. Korst, Secretary and Superintendent. Annual meeting held in December. 7 Thomson-Houston dynamos. Capacity of station, 150 arc, 2,100 inc. In use, 50 commercial arc, 68 public street arc, 1,800 commercial inc. 1 150 h. p. Reynolds-Corliss, 2 50 h. p. Payne engines, 2 Phœnix and 2 Nagle boilers, Munson belts, Simplex and Roebling wire, 18 miles of street circuits. City pays $80 per light per year for 68 arc of 1,200 candles, some burning all of every night, balance till midnight. Contract expires in April, 1891. Ju.

Racine Electric Co. Capital stock, $50,000; all paid in. John Rodgers, President and Superintendent. F. W. Fish, Secretary. Annual meeting held in March. 2 Brush dynamos. Capacity of station, 130 arc. In use, 121 public street arc. 1 Ideal, 2 Otto gas engines, 1 Freeman boiler, Munson belts, 4 Eclipse clutches, Roebling wire, 30 miles of street circuits. City pays $65 per light per year for 121 arc of 2,000 candles, burning all of all dark nights. Contract expires annually in April. R G.

RHINELANDER. Clark & Faust. Capital stock, $20,000; paid in, $6,000. Private Company. J. M. Owens, Electrician. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 650 inc. In use, 6 commercial arc, 26 public street arc, 625 commercial inc. Noyes engines and boilers, Munson belts, Underwriters' wire, 5 miles of street circuits. City pays $84 per light per year for 26 arcs of 1,200 candles, burning on Philadelphia moon schedule. Contract expires in August, 1909. Ju.

SHEBOYGAN. Sheboygan Electric Lighting Co. Capital stock, $40,000; paid in, $25,000. Wm. Clarke, President. P. A. Lynch, Secretary. A. F. Leberman, Superintendent. Meeting held semi-annually. 2 Thomson-Houston dynamos. Capacity of station, 100 arc, 1,000 inc. In use, 100 public street arc, 983 commercial inc. 1 Corliss engine, rope belts, Shield brand wire, 13 miles of street circuits. City pays $80 per light per year for 100 arc of 2,000 candles, burning all of every night. Contract expires in January, 1895. Ju.

SPARTA. Thayer Lighting Co. 75.

STEVEN'S POINT. Steven's Point Lighting Co. Capital stock, $35,000; paid in, $25,000. A. R. Week, President. E. R. Herren, Secretary. Louis Brill, Superintendent. A. A. Sustins, Electrician. Annual meeting held in April. Brush dynamos. Capacity of station, 90 arc. In use, 24 commercial arc, 25 public street arc. Phœnix engines and boilers, Munson belts, 4 miles of street circuits. City pays $72 per light per year for 25 arc of 1,200 candles, burning till midnight on moon schedule. Contract expires in October, 1890. S S H.

S. A. Sherman, Proprietor. Capital stock, $7,500; all paid in. 2 Fort Wayne Jenney dynamos. Capacity of station, 40 arc. 1 Elmer wheel, Boston Rubber Co. belts, Ansonia wire, 10 miles of circuits. Q 80.

SUPERIOR. Superior Water, Light and Power Co. Capital stock, $1,000,000; all paid in. A. H. Wilder, President. Frank A. Ross, Secretary. John Mather, General Manager. J. F. Galletly. Electrician. Annual meeting held in November. Western, Thomson-Houston, Westinghouse (alternating) dynamos. Capacity of station, 185 arc,

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1,500 inc. In use, 28 commercial arc, 110 public street arc, 1,000 commercial inc. 2 Buckeye engines, 5 Robinson & Cary boilers, Munson belts, Hill clutches, 10 miles of street circuits. City pays $146 per light per year for 110 arc of 2,000 candles, burning all of every night. Contract expires in November, 1899. Operate 2 Daft machines for power and an electric railway. G 85.

TOMAH. D. A. & C. A. Goodyear. Z H 75.

WATERTOWN. Watertown Electric Light Co. 75.

WAUPACA. Waupaca Electric Light Association. Capital stock, $10,000; all paid in. A. G. Nelson, President. Chas. Churchill, Secretary. Hardy Flagg, Electrician. Annual meeting held in April. Brush dynamos. Capacity of station, 65 arc, 800 inc. In use, 18 commercial arc, 15 public street arc, 300 commercial inc. Water power, leather belts. City pays $72 per light per year for 15 arc of 2,000 candles, burning till 1 A. M. on moon schedule. Contract expires in 1891. Owned by city. 107.

WAUKESHA. Waukesha Electric Light Co. 75. See Addenda.

WAUSAU. Wausau Electric Co. Capital stock, $8,000; all paid in. N. Heineman, President. B. Heineman, Secretary. Jac. Wehrle, Superintendent and Electrician. Annual meeting held January 1st. 1 Edison dynamo. Capacity of station, 150 inc. In use, 150 inc. Water power, leather belts, Cowles wire, 1 mile of circuit. G 85.

WAUWATOSA. Wauwatosa Electric Co. Capital stock, $50,000; paid in, $25,000. E. R. Godfrey, Sr., President. Edw. Coulthard, Secretary. T. H. Godfrey, Superintendent and Electrician. Annual meeting 1st Friday in March. 2 Edison dynamos. Capacity of station, 985 inc. In use, 500 inc. 1 Taylor engine, high speed, 1 National boiler, Schieren belts, Roebling wire, 5 miles of circuits. R H.

WHITEWATER. Whitewater Electric Light Co. Capital stock, $50,000; all paid in. O. P. Posey, President. J. F. Mitchell, Secretary and Superintendent. H. D. Mixer, Electrician. Annual meeting held in May. United States dynamos. Capacity of station, 40 arc, 500 inc. In use, 33 public street arc, 500 commercial inc. Reynolds-Corliss engine, Davis boiler, 12 miles of street circuits. City pays $100 per light per year for 33 arc of 2,000 candles, burning till 1.30 A. M. on moon schedule. Contract expires in 1897. V G.

WYOMING.

BUFFALO. Buffalo Mill Co. Capital stock, $50,000; all paid in. Geo. T. Beck, President. W. J. Thom, Secretary. E. A. Smock, Superintendent. C. A. McKeen, Electrician. 1 Westinghouse dynamo. Capacity of station, 650 inc. In use, 350 commercial inc., 18 public street inc. 1 Westinghouse engine, Munson belts, Hill clutches, Underwriters' wire. City pays $48 per light per year for 18 inc. of 50 candles, burning till 1 A. M. every night. Contract expires in July, 1890. N G.

CENTRALIA. Centralia Electric Light and Power Co. 75.

CHEYENNE. Brush-Swan Electric Light Co. Capital stock, $100,000; all paid in. F. E. Warren, President. Wm. Sturgis, Jr., Secretary. H. V. Bartlett, Superintendent. L. P. House, Electrician. Annual meeting held in January. 7 Brush dynamos. Capacity of station, 200 arc, 2,000 inc. In use, 145 commercial arc, 22 public street arc, 2,200 commercial inc. Westinghouse and Corliss engines, 4 tubular boilers, Munson belts, Taper Sleeve clutches. City pays $237 per light per year for 22 arc of 2,000 candles, burning all of every night. W H.

EVANSTON. Evanston Electric Light Co. Capital stock, $50,000; paid in $25,000. A. V. Quinn, President. H. L. Cowles, Secretary. W. W. Smalley, Electrician. Annual meeting held in July. 2 Edison dynamos. Capacity of station, 800 inc. In use, 947 commercial inc., 24 public street inc. 2 Ide engines, Brownell boilers, Munson belts, K. K. wire. City pays $48 per light per year for 24 inc. of 32 candles, burning all of every night. Contract expires in November, 1893. P P G.

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LARAMIE. Laramie Electric Light and Fuel Co. Capital stock, $75,000. M. V. Grant, President. Otto Gramm, Secretary. B. L. Smith, Superintendent and Electrician. Annual meeting held in October. 5 Edison dynamos. Capacity of station, 2,560 inc. In use, 2,600 commercial inc., 174 public street inc. 3 Ide engines, 3 Brownell boilers, Ireson and Munson belts, K. K. and Okonite wire, 12 miles of street circuits. City pays $24 per light per year for 174 inc. of 20 candles, burning all of every night. V. G.

DOMINION OF CANADA.

BRITISH COLUMBIA.

BRANDON. Brandon Electric Light Co. Capital stock, $15,000; all paid in. P. E. Drush, President. E. R. Bucke, Secretary. Percy Hart, Electrician. Annual meeting held in November. 2 Edison dynamos. Capacity of station, 500 inc. In use, 500 commercial inc. Ball engines, Able, Inglis & Sons boilers, Edison wire. P G.

FREDERICTON. Fredericton Gas Light Co. Capital stock, $50,000; all paid in. M. Richey, President. W. M. Cathels, Secretary and Superintendent. Annual meeting held in June. 2 Ball and 2 Waterhouse dynamos. Capacity of station, 120 arc. In use, 80 commercial arc. Wheelock and Armington & Sims engines, K. K. wire, 4 miles of street circuits. S S H.

MONCTON. Moncton Gas Light and Water Co. Capital stock, $120,000; all paid in. J. L. Harris, President. R. A. Borden, Secretary. J. Edington, Superintendent. A. R. Bliss, Electrician. Annual meeting held in June. 1 inc., 4 arc, 4 Thomson-Houston dynamos. Capacity of station, 150 arc, 600 inc. In use, 58 commercial arc, 46 public street arc, 500 commercial inc. Armington & Sims and Ball engines, 2 Weir boilers, McLaren belts, 18 miles of street circuits. City pays $100 per light per year for 46 arc of 1,200 and 2,000 candles, burning all night on moon schedule. Contract expires in November, 1893. W H.

ST. JOHN. D. W. Clark & Sons (St. John and Carleton). Charles R. Clark, Electrician. 1 Brush dynamo. Capacity of station, 45 arc. In use, 20 commercial arc, 20 public street arc. Allan engines, D. W. McLaughlan boilers, Boston Belting Co. belts, 4 miles of street circuits. City pays $2,000 per year for 16 lights, and $112.50 per year each for additional lights. Use 20 arc of 1,200 candles, burning all night on moon schedule. Contract expires in August, 1900. Ju.

St. John Gas and Electric Light Co. Capital stock, $269,000; all paid in. Dr. M. Sheffield, President. George R. Ellis, Secretary. George A. Davenport, Superintendent. Fred W. Mount, Electrician. Annual meeting held in June. 9 Thomson-Houston dynamos. Capacity of station, 800 arc, 1,500 inc. In use, 226 commercial arc. 5 Ball engines, Leonard boilers, Ireson and leather belts, Simplex wire, 36 miles of street circuits. Ju.

ST. STEPHEN. St. Stephen Electric Light Co. Capital stock, $16,000; all paid in. C. H. Clerke, President. G. W. Ganong, Secretary. F. N. Davis, Superintendent. Albert Raeish, Electrician. Annual meeting held in November. 2 Brush dynamos. Capacity of station, 125 arc. In use, 36 commercial arc, 31 public street arc. Water power, Boston Belting Co. belts, Simplex wire, 16 miles of street circuits. City pays $72 per light per year for 31 arc of 2,000 candles, burning every night till midnight. Contract expires annually in October. 18 of these lights are in Calais, Me. R G.

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VICTORIA CITY. Plant owned by city, purchased in 1885 for $12,500, R. B. McMicking. 15 lights of 4,000 candle power. Brush system. Run by steam.

Victoria Electrical Illuminating Co. Capital stock, $25,000; all paid in. R. P. Rithet, President. E. C. Baker, Secretary and Manager. Mathew Hutcheson, Electrician. Annual meeting held in January. 1 Ball and 4 Edison dynamos. Capacity of station, 50 arc, 1,000 inc. In use, 41 commercial arc, 1,000 commercial inc. 2 Armington & Sims engines, leather belts, 6 miles of street circuits. Ju.

WINNIPEG. Manitoba Electric and Gas Light Co. Capital stock, $200,000; all paid in. W. E. Perdue, President. Wm. Bathgate, Secretary. Jas. Stuart, Superintendent and Electrician. Annual meeting held in August. 2 Thomson-Houston, 4 Weston dynamos. Capacity of station, 120 arc, 1,000 inc. In use, 75 public arc. Polson Iron Works engine, Polson boiler, leather belts, Underwriters' wire, 24 miles of circuits. Ju.

Northwest Electric Co. Capital stock, $100,000; paid in, $75,000 Geo. H. Sterel, President. H. Cameron, Secretary. F. Armstrong, Superintendent. W. P. Hancock, Electrician. Annual meeting held in February. 4 Edison dynamos. Capacity of station, 5,000 inc. In use, 2,500 commercial inc. 1 Jno. Inglis & Sons 350 h. p. Corliss engine, 3 boilers, Hill clutches, Ansonia wire, 90 miles of street circuits. Ju.

WOODSTOCK. City of Woodstock. I. T. A. Dibblee, Mayor. D. Merino, Superintendent. Alex. Dunbar, Electrician. 1 Thomson-Houston dynamo. Capacity of station, 50 arc. In use, 22 public street arc. 1 Perkins engine, McLaren belts, Hibbard wire, 6 miles of street circuits. Plant cost $5,400. Lamps burn on moon schedule till midnight.

Connell Bros. Capital stock, $30,000; all paid in. 2 Edison dynamos. Capacity of station, 800 inc. In use, 1,040 commercial inc. 1 Ide engine, 2 McLachlan boilers, Ireson belts, 3 miles of street circuits. Ju.

NEWFOUNDLAND.

ST. JOHN'S. St. John's Electric Light Co. Capital stock, $46,000; all paid in. A. M. Mackay, President. M. Monroe, Secretary. T. S. Pooke, Superintendent and Electrician. Annual meeting held in February. Edison and Thomson-Houston dynamos. Capacity of station, 90 arc, 500 inc. In use, 40 commercial arc, 44 public street arc, 400 commercial inc., 6 public street inc. 2 Armington & Sims engines, Terra Nova Boiler Works boilers, 16 miles of street circuits. City pays $130 per light per year for 44 arc of 1,200 candles and for 6 inc. of 65 candles, burning all night on moon schedule. Contract expires annually. Ju.

NOVA SCOTIA.

AMHERST. Canada Electric Co. See Alphabetical Ratings.

HALIFAX. Halifax Gas Light Co. Capital stock, $400,000; all paid in. Dominick Farrell, President. Robert A. Macintyre, Secretary. Robert Baxter, Manager. Parker R. Colpitt, Electrician. Annual meeting held in April. American, Thomson-Houston and Slattery dynamos. Capacity of station, 200 arc, 1,950 inc. In use, 80 commercial arc, 1,800 commercial inc. Brown and Wheelock engines, Ireson belts, Brown clutches, K. K. wire, 50 miles of street circuits. Z Z H.

Halifax Illuminating and Motor Co. Capital stock, $15,000. Joseph Leeton, President. W. J. De Blois, Secretary and Manager. A. R. Cogswell, Superintendent and Electrician. Annual meeting held in January. 6 American, 1 Royal, 2 Westinghouse, 2 Thomson-Houston dynamos. Capacity of station, 350 arc, 3,300 inc. In use, 36 commercial arc, 208 public street arc, 2,500 commercial inc. 1 Armington & Sims, 3 McIntosh & Seymour engines, 4 Matheson boilers, Montreal belts, K. K. wire, 30 miles of street circuits. Ju.

Halifax Electric Light Co. 75.

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NEW GLASGOW. New Glasgow Electric Light Co., Limited. Capital stock, $25,000; all paid in. J. L. Jennison, President. H. V. Jennison, Secretary. E. Wadden, Superintendent and Electrician. Annual meeting 2d Tuesday in May. 7 Thomson-Houston, 1 Jenney dynamo. Capacity of station, 60 arc, 300 inc. In use, 35 commercial arc, 300 inc. 1 Westinghouse high speed engine, 1 Matheson, 1 Patterson & Co. boiler, Ireson belts, 20 miles of circuits. Ju.

PORTLAND. Portland Electric Light Co. 75.

TRURO. Chambers Electric Light and Power Co. Capital stock, $40,000. S. G. Chambers, President. Ed. Wilson, Secretary. Wm. Richardson, Superintendent. D. Henderson, Electrician. Annual meeting held in May. 7 Mather dynamos. Capacity of station, 60 arc, 1,500 inc. 7 Westinghouse engines. S G.

YARMOUTH. The Merchants' and Manufacturers' Co. Capital stock, $100,000; all paid in. Robert S. Eakins, President and Treasurer. Edgar N. Clements, Secretary. E. Franklin Clements, General Manager. John Leslie, Electrician. Annual meeting held in February. 2 American dynamos. Capacity of station, 100 arc. In use, 30 commercial arc, 30 public street arc, 60 commercial inc. 20 miles of street circuits. City pays $90 per light per year for 30 arc of 2,000 candles, burning till midnight on moon schedule. Ju.

PRINCE EDWARD ISLAND.

CHARLOTTETOWN. Charlottetown Electric Light Co. 115 Thomson-Houston lights. S G 75.

Prince Edward Island Electric Co. Capital stock, $50,000. L. H. Davies, President. L. Cornell, Secretary. James Waddell, Superintendent and Electrician. Annual meeting held in May. 8 Thomson-Houston dynamos. Capacity of station, 105 arc. In use, 55 commercial arc, 41 public street arc. Armington & Sims engine, McLaren belts, K. K. wire. City pays $100 per light per year for 41 arc of 1,200 candles, burning all night on moon schedule. Contract expires in December, 1890.

ONTARIO.

ALMONTE. Almonte Electric Light Co. Capital stock, $20,000; paid in, $6,930. Gilbert Cannon, President. M. Patterson, Secretary. W. A. M. Pollock, Electrician. Annual meeting held in February. 1 Ball dynamo. Capacity of station, 35 arc. In use, 24 commercial arc, 11 public street arc. Water power, leather belts, waterproof wire, 4 miles of street circuits. City pays $91.25 per light per year for 11 arc of 2,000 candles, burning every night till midnight. Contract expires in September, 1892. Ju.

AMHERSTBURG. Amherstburg Electric Light and Power Co. Capital stock, $5,000. J. David Burk, Secretary. C. Wigle, Superintendent. 1 Reliance dynamo. Capacity of station, 50 arc. In use, 29 commercial arc, 25 inc. 1 Kerr Bros. high speed engine, 1 McGregon Bros. boiler, various belts, Montreal make of wire, 3¼ miles of circuits. Ju.

ARNPRIAR. Arnpriar Electric Light Co. 75.

AYLMER. Aylmer Electric Light Co. Capital stock, $10,000; all paid in. J. D. McDiarmid, President, Secretary and Superintendent. John Millard, Electrician. Annual meeting held in January. 1 Ball and 1 Reliance dynamo. Capacity of station, 50 arc, 150 inc. In use, 32 commercial arc, 11 public street arc, 50 commercial inc. Leonard engines, Stevenson boilers, Howorth belts, Edison wire, 6 miles of street circuits. City pays $78 per light per year for 11 arc of 2,000 candles, burning till midnight on moon schedule. Contract annually. N F.

BARRIE. Barrie Electric Light Co. Capital stock, $50,000; paid in, $12,400. J. C. Burton, President. Samuel Lamb, Secretary. S. J. Sanford, Superintendent. Ball dynamos. Capacity of station, 75 arc, 1,000 inc. In use, 60 commercial arc, 31 public street arc, 600 commercial inc., 12 public street inc. Water power. City pays $70 per light per year for 31 arc of 2,000 candles and for 12 inc. of 32 candles, burning till 1 A. M. on moon schedule. Contract expires in 1891. P F.

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BELLEVILLE. Belleville Gas Co. Capital stock, $19,000; all paid in. John Bell, President. S. R. Earle, Secretary and Superintendent. Annual meeting held in February. 3 Ball dynamos. Capacity of station, 90 arc. In use, 15 commercial arc, 39 public street arc. 1 Wheelock engine and boiler, Howorth belts, Hibbard wire, 22 miles of street circuits. City pays $112.50 per light per year for 39 arc of 2,000 candles, burning all of 250 nights per year. V V H.

BERLIN. The Berlin Gas Co. Louis J. Breithaupt, President. E. Carl Breithaupt, Secretary. Annual meeting held in March. 2 Ball dynamos. Capacity of station, 50 arc. In use, 35 commercial arc. 1 Golden & McCullock low speed engine and boiler. G 85.

BOMANVILLE. Bomanville Electric Light Co. 58 Ball lights. 75.

BRAMPTON. The Hutton Electric Co. Capital stock, $30,000; paid in, $11,600. A. F. Hutton, President. J. O. Hutton, Secretary and Superintendent. James Mino, Electrician. 2 Thomson-Houston dynamos. Capacity of station, 65 arc. In use, 30 commercial arc, 25 public street arc, 45 (series) commercial inc. 1 78 h. p. water wheel, McLaren belts, K. K. wire, 21 miles of street circuits. City pays 22½ cents per light per night for 25 arc of 2,000 candles, burning till 1.30 A. M. on moon schedule. Contract expires in November, 1892. Ju.

BRANTFORD. Brantford Electric Lighting Co. Capital stock, $30,000; paid in, $15,000. A. Watts, President and Superintendent. Charles B. Watts, Secretary. P. A. Dickenson, Electrician. Annual meeting held in February. 1 Reliance and 3 Ball dynamos. Capacity of station, 95 arc. In use, 35 commercial arc, 26 public street arc. Robin & Sadler belts, various wires, 8 miles of street circuits. City pays 35 cents per light per night for 26 arc of 2,000 candles, burning all night on moon schedule. Contract expires in September, 1892. V H.

BROCKVILLE. Brockville Gas Light Co. Capital stock, $80,000; paid in, $36,000. J. D. Buell, President. T. Wilkinson, Secretary and Superintendent. E. A. Carr, Electrician. Annual meeting held in March. 1 Ball, 2 Reliance dynamos. Capacity of station, 95 arc. In use, 6 commercial arc, 30 public street arc, 9 public street inc. 1 Wheelock engine, 2 Golden & McCullock boilers, Fairbrothers belts, 6 miles of street circuits. City pays 35 cents per light per night for 30 arc of 2,000 candles, and for 9 inc. of 25 candles, burning all night on moon schedule. Contract expires in 1893. R H.

CAMPBELLFORD. Electric light plant and water works being put in.

CARLETON. Carleton Place Electric Light Co. E G.

CHATHAM. Chatham Gas Co. Capital stock, $50,000. James Lamont, President. M. Houghton, Secretary. Henri Leveque, Superintendent and Electrician. Thomson-Houston, Brush and Ball systems. S S H.

CLINTON. Oakes Organ Co. R. R. Hughes, Electrician. 2 Reliance dynamos. Capacity of station, 50 arc. In use, 44 commercial arc, 10 public street arc. 1 Golden & McCullock engine, 1 Crystal & Black boiler, 2 miles of street circuits. City pays $66 per light per year for 10 arc of 2,000 candles, burning till 11 P. M. every night. Contract expires in October, 1894. Ju.

COBOURG. Cobourg Electric Light and Power Co. Capital stock, $12,000. L. A. Morrison, President. E. Patchett, Superintendent and Electrician. 1 American dynamo. Capacity of station, 50 arc. In use, 22 commercial and 120 inc. 1 Wheelock low speed engine. 1 Jno. Douty boiler, 9 miles of circuits. Ju.

COLLINGWOOD. City Electric Light Plant. Thomas Barrett, Superintendent. S. S. Leary, Electrician. Reliance and Fort Wayne dynamos. Capacity of station, 35 arc, 900 inc. In use, 35 public street arc, 900 commercial inc., 2 public street inc. 1 Golden & McCullock engine, 2 Doty boilers, Howarth belts, Grimshaw wire, 15 miles of street circuits.

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CORNWALL. Stormont Electric Light and Power Co. Capital stock, $25,000; paid in, $24,000. Wm. Colynhoun, President. J. T. Kirkpatrick, Secretary and Treasurer. Wm. Spurgeon, Superintendent and Electrician. Annual meeting held in May. 2 Westinghouse dynamos. Capacity of station, 1,800 inc. In use, 1,200 commercial inc. 2 Ball engines, 2 Leonard boilers, leather belts, K. K. wire, 5½ miles of street circuits. City pays $17 per light per year for 53 inc. of 25 candles, burning all of every night. S G.

DRESDEN. Powell & Johnson. Capital stock, $6,000; paid in, $4,000. W. A. Johnson, Superintendent and General Manager. Ball and Reliance dynamos. Capacity of station, 85 arc. In use, 60 commercial arc, 10 public street arc, 30 commercial inc. Leonard engines and boilers, 3 miles of street circuits. City pays $54.75 per light per year for 10 arc of 2,000 candles, burning every night till midnight. Contract made each year in June. D Q.

DUNNVILLE. Dunnville Electric Light Co. W. F. Haskins, President. L. A. Congdon, Secretary. T. F. Haskins, Superintendent. Robt. Bell, Electrician. Annual meeting held in April. 1 Thomson-Houston dynamo. Capacity of station, 35 arc. In use, 21 commercial arc, 13 public street arc, 19 commercial inc. Goodyear Rubber Co. belts, K. K. wire, 4 miles of street circuits. City pays 16¾ cents per light per night for 13 arc of 2,000 candles, burning every night till midnight. Contract expires annually in January. R R G.

GALT. Galt Gas Light Co. Capital stock, $57,000; all paid in. D. Spiers, President. James E. Kerr, Secretary. Robert Elliott, Superintendent and Electrician. Annual meeting held in October. 2 Thomson-Houston dynamos. In use, 37 commercial arc, 32 public street arc. Golden & McCullock, engines and boilers, 10 miles of street circuits. City pays 22 cents per light per night for 32 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in December, 1890. S G.

GANANOQUE. Gananoque Electric Light and Water Co. Capital stock, $40,000; paid in, $15,000. Taylor & Walton, Owners. E. Leftane, Electrician. Ball and Reliance dynamos. Capacity of station, 75 arc. In use, 35 commercial arc, 14 public street arc, 100 (Bernstein) commercial inc. Water power, 6 miles of street circuits. City pays $85 per light per year for 14 arc of 2,000 candles, burning till midnight all but 8 nights per month. Contract expires in December, 1891. P F.

GODERICH. Corporation of Goderich. John Butler, Mayor, President and Superintendent. City Clerk, Secretary. John McCollum, Electrician. 3 arc dynamos. In use, 70 commercial arc, 35 public street arc. 2 engines, belts and wire made in Montreal. Lamps burn from sundown to 11 P. M. on moon schedule.

GUELPH. The Guelph Gas Co. Capital stock, $100,000; all paid in. Donald Guthrie, President. John Yale, Secretary and Superintendent. 1 Royal, 2 Ball dynamos. Capacity of station, 60 arc, 500 inc. In use, 33 commercial arc, 21 public street arc. Wheelock engines, Golden & McCullock boilers, McLaren belts, 10 miles of street circuits. City pays 40 cents per light per night for 21 arc of 2,000 candles, burning all night on moon schedule. Contract expires in January. W G.

HAMILTON. Hamilton Electric Light Co. 75.

KINCARDINE. Kincardine Electric Light Co. 75.

KINGSTON. Kingston Electric Light Co. Capital stock, $50,000; paid in, $30,000. Wm. M. Rossie, President. J. M. Campbell, Secretary. Annual meeting held in November. Thomson-Houston, American and Westinghouse dynamos. Capacity of station, 135 arc, 1,000 inc. In use, 2 commercial arc, 80 public street arc, 1,300 commercial inc. 1 Brown engine, 2 tubular boilers, leather belts, 30 miles of street circuits. City pays $68.50 per light per year for 80 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in 1892. S S H.

LAKEFIELD. Lakefield Electric Light Co. 75.

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LEAMINGTON. Leamington Electric Light Co. Capital stock, $3,000; all paid in. Walter Stores, President and Superintendent. W. McSween, Secretary. Annual meeting held in January. 2 Ball dynamos. Capacity of station, 50 arc. In use, 41 commercial arc, 9 public street arc. 1 Wheelock engine, 1 Leonard boiler, 5 miles of street circuits. City pays $87.44 per light per year for 9 arc of 2,000 candles, burning every night till midnight. Contract expires annually in January. Ju.

LINDSAY. Lindsay Electric Light Co. B. F. Reesor, Proprietor. W. E. Reesor, Electrician. 2 Ball dynamos. Capacity of station, 100 arc. In use, 70 commercial arc. Ju.

LONDON. Forest City Electric Light Co. Hunt Bros., Proprietors. R. A. Lynis, Electrician. Annual meeting held in May. 4 Thomson-Houston dynamos. Capacity of station, 105 arc. In use, 60 commercial arc, 35 public street arc, 16 (series) commercial inc. Ball engine and boiler, leather and rubber belts, 1 Hunter clutch, 12 miles of street circuits. City pays 32 cents per light per night for 35 arc of 2,000 candles, burning all night and every night except four per month. Contract expires at option of Council. Ju.

Ball Electric Light Co. W G 75.

MARKHAM. Markham Electric Light Co. 75.

MOUNT FOREST. Mount Forest Electric Light Co. 75.

NAPANEE. Napanee Water and Electric Light Co. Capital stock, $10,000; paid in, $5,700. A. L. Morden, President. H. T. Forward, Secretary. C. Fessenden, Superintendent. W. A. Dafoe, Electrician. Annual meeting held in May. 1 Thomson-Houston dynamo. Capacity of station, 40 arc. City pays $60 per light per year for 17 arc of 2,000 candles, burning on moon schedule till 1.30 A. M. L F.

NEW MARKET. New Market Electric Light Co. 75.

ORILLIA. Town of Orillia. 75.

OSHAWA. Oshawa Electric Light Co. Capital stock, $25,000; paid in, $7,500. E. S. Edmondson, President and Electrician. F. A. Guy, Secretary. Annual meeting held June 1st. 4 Ball dynamos. Capacity of station, 110. In use, 40 commercial arc. Wheelock and Golden & McCullock engines, Hibbard's wire, 7 miles of circuits. M M T.

OTTAWA. The Ottawa Electric Light Co. Capital stock, $150,000; paid in, $85,000. Charles C. Bates, President. Francis Clemow, Vice-President and Manager. Alex. Spittal, Secretary and Treasurer. M. G. Bradley, Electrician. Annual meeting held 2d week in May. 14 Thomson-Houston dynamos. Capacity of station, 500 arc. In use, 100 commercial arc. 5 tubular boilers, Gutta Percha and Mfg. Co. belts, Hibbard's wire, 70 miles of circuits. V V H.

Chandiere Electric Light and Power Co. Capital stock, $100,000; all paid in. Robert Hurdman, President. W. Y. Soper, Vice-President and Secretary. T. Ahearn, Superintendent and Electrician. Annual meeting held in June. 10 Weston, 2 Westinghouse dynamos. Capacity of station, 4,000 inc. In use, 3,000 commercial inc. Use water power, leather belts, weatherproof wire. Ju.

OWEN SOUND. The Owen Sound Electric Illuminating and Mfg. Co. Capital stock, $50,000; paid in, $25,000. E. Todd, President. Wm. Brown, Secretary. S. J. Parker, Manager. Annual meeting held in August. 2 Thomson-Houston dynamos. Capacity of station, 80 arc, 250 inc. In use, 45 commercial arc, 100 inc. 1 Brown-Allen low speed engine, 1 Perkin boiler, various makes of belts, Hibbard's wire, about 16 miles of circuits. P P G.

Owen Sound Gas Light Co. 75.

PARIS. Paris Electric Light Co. Capital stock, $10,000. A. N. Parney, Manager. Carl Sauermann, Electrician. 2 Ball dynamos. Capacity of station, 60 arc. In use, 25 commercial arc, 22 public street arc. Buckeye engines, 7 miles of street circuits.

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City pays $58.50 per light per year for 22 arc of 2,000 candles, burning till midnight 225 nights per year. Contract expires in December, 1890. D D F.

PEMBROKE. Pembroke Electric Light Co. Capital stock, $20,000; all paid in. P. A. Dunlap, Secretary. A. Coul, Electrician. Annual meeting held in February. 2 Edison, 2 Weston dynamos. Capacity of station, 40 arc, 800 inc. In use, 10 public street arc, 500 commercial inc. Water power, Edison wire, 4 miles of street circuits. City pays $75 per light per year for 20 arc of 2,000 candles, burning every night till midnight. Contract made annually. S G.

PETERBORO. Peterboro Electric Light Co. Capital stock, $100,000. T. G. Hazlett, President. H. O. Fisk, Electrician. Thomson-Houston system. P P G.

PETROLIA. Petrolia Electric Light Co. 75.

PERTH. Perth Electric Light Co. Capital stock, $16,000; paid in, $12,200. Henry Moorhouse, President. J. A. Allen, Secretary and Superintendent. W. J. Bothwell, Electrician. Annual meeting held in February. 2 Reliance dynamos. Capacity of station, 70 arc. In use, 57 commercial arc, 17 public street arc. 8 miles of street circuits. City pays $75 per light per year for 17 arc of 2,000 candles, burning every night till midnight. P F.

PICTOU. City of Pictou. R. A. Norman, Mayor. Henry Stanton, Electrician. 2 Ball dynamos. Capacity of station, 100 (1,000 c. p.) arc. In use, 26 commercial arc, 50 public street arc. 1 125 h. p. Golden & McCullock engine and boilers, Dickson belts, 7 miles of street circuits. Lamps burn till midnight on moon schedule at an estimated cost of 10 cents each per night. A 250 (32 c. p.) dynamo has been ordered, and full capacity rented.

PORT ARTHUR. Port Arthur Water, Light and Power Co. Capital stock, $400,000. M. Dorzler, President and Superintendent. J. J. O'Connor, Secretary. R. Fox, Electrician. Annual meeting held in January. 1 Heisler dynamo. Capacity of station, 600 inc. In use, 500 commercial inc., 53 public street inc. 9 miles of street circuits. City pays $24 per light per year for 53 inc. of 20 candles, burning every night from sundown to 1 A. M. Contract expires in December, 1894. Ju.

PORT HOPE. Port Hope Electric Light and Power Co. Capital stock, $49,000; paid in, $25,000. G. F. Horsford, President. R. A. Corbett, Secretary and Superintendent. Thomas Tuer, Electrician. Annual meeting held in August. 4 Ball and 2 Jenney dynamos. Capacity of station, 100 arc, 650 inc. In use, 20 commercial arc, 26 public street arc, 350 commercial inc. Water power, leather belts, K. K. wire, 13½ miles of street circuits. City pays $60 per light per year for 26 arc of 2,000 candles, burning till midnight 300 nights per year. Contract expires in December, 1892. R H.

RENFREW. A. A. Wright & Co. Operated in connection with their other business. 2 Ball dynamos. Capacity of station, 50 arc. In use, 20 commercial arc, 5 public street arc, 16 (Bernstein) commercial inc. 1 Wheelock engine, 1 Golden & McCullock boiler, rubber belts. City pays $91.25 per light per year for 5 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in March, 1891. S G.

RIDGETOWN. James McMaster. Capital stock, $7,000. William McMaster, Secretary. John Marshall, Electrician. 35 Reliance dynamos. In use, 26 commercial arc, 8 public street arc. Ball engines and boiler, 3 miles of street circuits. City pays 25 cents per light per night for 8 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires annually in February. Ju.

ROCKVILLE. The Rockville Gas Light Co. J. D. Buell, President. T. Wilkinson, Secretary and Superintendent. H. Hayes, Electrician. Annual meeting held in March. 1 Ball and 1 Reliance dynamo. Capacity of station, 60 arc. In use, 1 commercial arc. 1 Wheelock low speed engine, 2 Golden & McCullock boilers, Campbell's wire, 5 miles of street circuits. Ju.

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ST. CATHARINES. St. Catharines Electric Light and Power Co. Capital stock, $50,000. Samuel Montgomery, President. N. T. Hunt, Secretary, Treasurer and Manager. W. H. Cone, Superintendent and Electrician. Annual meeting held in January. 3 Thomson-Houston and 2 American dynamos. Capacity of station, 4 arc, 3 inc. In use, 50 commercial arc, 500 inc. Little Giant wheels, double leather Quebec oak tanned belts, Clark's wire, 25 miles of street circuits. Ju.

Union Electric Light and Power Co. Capital stock, $10,000; paid in, $1,000. E. A. Smyth, President. H. E. Smyth, Secretary. Roland McHugh, Superintendent. Annual meeting held in February. 3 Thomson-Houston arc, 1 United States inc. dynamo. Water power. Ju.

SAULT STE. MARIE. The Ontario and Sault Ste. Marie Water, Light and Power Co. Capital stock, $210,000; paid in, $56,000. W. H. Plummit, President. H. C. Hamilton, Secretary. Frank Plummit, Superintendent. Annual meeting held December 30. 2 Heisler dynamos. Capacity of station, 500 inc. In use, 360 commercial inc., 102 public street inc. Munson belts, 11¼ miles of street circuits. City pays $14.40 per light per year for 102 inc. of 30 candles, burning every night from 5 P. M. to 1 A. M. Contract expires in 1890. Ju.

SIMCOE. Simcoe Electric Light Co. J. E. York, President. James Hayes, Secretary. Joseph Bronk, Superintendent. James Wooley, Electrician. Annual meeting held in May. 1 Reliance dynamo. Capacity of station, 50 arc. In use, 18 commercial arc, 18 public street arc. Water power, McLaren belts, 7 miles of street circuits. City pays $50 per light per year for 18 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in 1891. Ju.

SMITH'S FALLS. Smith's Falls Electric Light Co. Capital stock, $10,000; all paid in. J. H. Gould, President. F. A. Bethons, Secretary. A. Foster, Superintendent. Jno. Sharp, Electrician. Annual meeting held in January. 3 United States dynamos. Capacity of station, 30 arc, 250 inc. In use, 14 commercial arc, 15 public street arc, 265 commercial inc. Water power, Hoyt belts, 6 miles of street circuits. City pays $55.55 per light per year for 15 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in October, 1894. P F.

STRATFORD. Stratford Gas Co. Capital stock, $70,000; all paid in. James P. Woods, President. John Reads, Secretary and Superintendent. Richard Milton, Electrician. Annual meeting held in July. 5 Ball dynamos. Capacity of station, 155 arc. In use, 48 commercial arc, 64 public street arc. 1 Golden & McCullock engine and boiler, Hoyt and McLaren belts, 20 miles of street circuits. Cits pays $66 per light per year for 64 arc of 2,000 candles, burning till midnight 300 nights per year. Contract expires in November, 1892. V G.

ST. THOMAS. St. Thomas Gas Co. Capital stock, $50,000; all paid in. John Farley, President. M. A. Gilbert, Secretary. H. Brown, Superintendent. F. Bevell, Electrician. Annual meeting held in January. Thomson-Houston dynamos. Capacity of station, 75 arc, 750 inc. In use, 20 commercial arc, 24 public street arc. 1 engine, Dixon belts, K. K. wire, 7 miles of street circuits. City pays $102.20 per light per year for 24 arc of 1,500 candles, burning all of every night. S S H.

THOROLD. Town of Thorold. Operate Ball system. Lamps burn every night till midnight, 26 of 2,000 candle power being used.

TILSONBURG. Tilsonburg Electric Light Co. 75.

TORONTO. Toronto Electric Light Co. Capital stock, $200,000; all paid in. A. H. Campbell, President. H. M. Pellatt, Secretary. J. J. Wright, Manager and Electrician. Annual meeting held in February. 37 (own make) dynamos. Capacity of station, 900 arc. In use, 850 commercial arc, 550 public street arc, 300 (series) commercial inc. 1 Armington & Sims, 4 Brown Corliss engines, 10 Palson boilers, Dixon belts, 175 miles of street circuits. City pays 24¼ and 55 cents per light per night for 550 arc of 2,000 candles, burning all of every night. Y G.

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Toronto Incandescent Electric Light Co. Capital stock, $———; paid in, $250,000. W. D. Matthews, President. Frederick Nicholls, Secretary and Manager. Wm. E. Davis, Superintendent and Electrician. Edison dynamos. 6,000 commercial inc. Ju.

TRENTON. Clarke Electrical Works. Capital stock, $25,000. W. J. Clarke, Superintendent. 2 Brush dynamos. Capacity of station, 90 arc. In use, 35 commercial arc, 22 public street arc, 100 (series) commercial inc., 7 public street inc. 1 Ball engine, 1 Leonard boiler, Goodhue and McLaren belts, Benedict & Burnham wire, 10 miles of street circuits. City pays $91.25 per light per year for 22 arc of 2,000 candles and for 7 inc. of 16 candles, burning every night till midnight. P P G.

UXBRIDGE. J. J. Gouly. John McPhait, Electrician. 2 Ball dynamos. Capacity of station, 45 arc. In use, 23 commercial arc, 9 public street arc, 10 commercial inc. Ball engine, rubber belts, Ross & Son wire, 2 miles of street circuits. City pays $62.50 per light per year for 9 arc of 2.000 candles, burning till 11 P. M. on moon schedule. Contract expires annually in October. V V G.

WALLACEBURG. Wallaceburg Electric Light Co., Limited. Capital stock, $3,000; all paid in. Wm. D. McRae, President. H. E. Johnson, Secretary. Robt. T. Riddell, Superintendent. Annual meeting held in May. 2 Reliance dynamos. Capacity of station, 60 arc. In use, 24 commercial arc, 17 public street arc. 1 50 h. p. Ball engine, 1 50 h. p. boiler, Toronto Rubber Co. belts, American wire, 4 miles of street circuits. City pays $51.78 per light per year for the first 14, and $75 for remainder of 17 arc of 2,000 candles, burning 300 nights per year. Contract expires in March, 1896. Ju.

WALKERTON. David Spence. Capital stock, $4,000. Thomas Potter, Electrician. Ball and Reliance dynamos. Capacity of station, 40 arc. In use, 30 commercial arc, 8 public street arc. Water power, 4 miles of street circuits. City pays 20 cents per light per night for 8 arc of 2,000 candles, burning till midnight on moon schedule. Contract expires in 1897. Ju.

WELLAND. Welland Electric Light Co. Capital stock, $10,000; all paid in. John Wilkerson, President. C. J. Page, Secretary and Superintendent. John Jardine, Electrician. Annual meeting held in January. 1 American and 1 Reliance dynamo. Capacity of station, 70 arc. In use, 40 commercial arc, 14 public street arc, 45 commercial inc. Water power, Toronto belts, Roebling wire, 7 miles of street circuits. City pays $57.20 per light per year for 12 arc of 2,000 candles, burning every night till midnight. Contract made in 1887, with no time set for expiration. P G.

WINDSOR. Windsor Gas Co. Capital stock, $50,000; all paid in. M. A. McHugh, President. A. F. Nash, Secretary, Superintendent and Electrician. Annual meeting held in May. 1 Thomson-Houston and 1 United States dynamo. Capacity of station, 80 arc. In use, 10 commercial arc, 50 public street arc, 48 commercial inc. 1 Ball engine, 1 Leonard & Sons boilers, P. & B. wire, 14¼ miles of street circuits. City pays $91.25 per light per year for 50 arc of 2,000 candles, burning till midnight every night. Contract expires in October, 1890. V V H.

WOODSTOCK. Woodstock Electric Light and Power Co. Capital stock, $50,000. L. A. Morrison, President. A. E. Burland, Electrician. Wood and Slattery system. 75.

QUEBEC.

BEAUHARNOIS. Boutillieri & Desjardien. 75.

COWANSVILLE. Cowansville Electric Light Co. Capital stock, $12,000; paid in, $8,300. J. C. McCorkill, President. Dr. C. L. Cotton, Secretary. G. V. Nesbitt, Superintendent and Electrician. Annual meeting held in November. Craig & Sons dynamos. Capacity of station, 300 inc. In use, 260 commercial inc., 17 public street inc. Water power, Robin & Saddler belts, 4 miles of street circuits. City pays $12.50 per light per year for 17 inc. of 32 candles, burning till midnight on moon schedule. Contract expires in March, 1891. Ju.

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FRASERVILLE. F. C. Dulie. Paid in capital, $10,000. E. E. Dulie, Superintendent. J. Emond, Electrician. 2 Thomson-Houston dynamos. Capacity of station, 50 arc, 500 inc. In use, 25 commercial arc, 25 public street arc, 500 commercial inc. S. Morgan Smith's "Success" water wheel, McLaren belts, Royal wire, 8 miles of street circuits. City pays $109.50 per light per year for 25 arc of 2,000 candles, burning all of every night. Contract expires in November, 1900. Ju.

JOLIETTE. Village of Joliette. 75.

MONTREAL. The Royal Electric Co. Capital stock, $250,000; all paid in. Hon. J. R. Thibandeau, President. C. W. Hagar, Secretary and General Manager. D. Thomson, Superintendent. F. Thomson, Electrician. Annual meeting held in April. 34 Thomson-Houston dynamos. Capacity of station, 1,300 arc, 1,800 inc. In use, 325 commercial arc, 800 inc., 800 public arc. 1 Armington & Sims, 2 Perkins, 5 Brown engines, 3 high, 5 low speed, 2 Sterling, 5 Babcock & Wilcox, 5 White boilers, Robin & Saddler, McLaren belts, the Royal Electric Co. wire, 4 Hill clutches, 125 miles of circuits. W W G.

Perrault Electric Light and Power Co. Capital stock, $50,000; all paid in. Louis Perrault, Proprietor. Louis Goullioud, Superintendent and Electrician. Annual meeting held in May. 2 Thomson-Houston dynamos. Capacity of station, 1,000 inc. In use, 800 commercial inc. 1 Corliss, 1 Ball engine, 2 Geo. Brush boilers, McLaren belts, Hill clutches, Edison and Hibbard wire, 2 miles of street circuits. S G.

SHERBROOKE. Sherbrooke Gas and Water Co. Capital stock, $200,000; all paid in. R. N. Hall, President. E. F. Waterhouse, Secretary. A. Sangster, Superintendent and Electrician. Annual meeting held in October. 2 Ball, 1 Edison, 3 Thomson-Houston dynamos. Capacity of station, 162 arc, 200 inc. In use, 42 commercial arc, 55 public street arc, 320 commercial inc. Water power, Saddler belts, 18 miles of street circuits. City pays $90 per light per year for 55 arc of 2,000 candles, burning 22 nights per month. Contract expires in November, 1899. Ju.

ST. HYANCINTHE. La Compagnie du Gaz et d'Electricite. Capital stock, $7,500; all paid in. E. R. Blanchard, President. Louis Brausseau, Secretary and Superintendent. Jos. Dueharme, Electrician. Annual meeting held in August. 1 Thomson-Houston dynamo. In use, 24 public street arc, 75 commercial inc., 18 public street inc. Water power, McLaren belts, 4 miles of street circuits. City pays $80 per light per year for 24 arc of 1,200 candles and $25 for 15 inc. of 32 candles, burning all of every night. Contract expires in 1892. M M G.

ST. JOHNS. St. Johns Electric Light Co. 75.

VALLEYFIELD. Valleyfield Electric Co. 75.

CUBA.

HAVANA. Spanish-American Light and Power Co. Ricardo Nargaues, General Manager. F. H. Thompson, Superintendent and Electrician. 3 Westinghouse, 4 Thomson-Houston dynamos. Capacity of station, 200 (1,200 c. p.) arc, 4,500 inc. In use, 100 commercial arc, 85 public street arc, 2,500 commercial inc. 2 Westinghouse, 4 Armington & Sims engines, 4 Hazelton boilers, Underwood and Schieren belts, Grimshaw wire, 45 miles of street circuits. City pays —— per light per year for 85 arc of 1,200 candles, burning all of every night. Ju.

MEXICO.

AQUAS CALIENTES. La Compania de Luz Electrica. Theo. Plate, President. A. Schenk, Secretary. Antonio Charez, Superintendent. F. W. Brendell, Electrician.

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2 Heisler dynamos. Capacity of station, 1,400 inc. In use, 890 public street inc. McIntosh & Seymour engine, O'Brien boiler, Shultz belts, K. K. wire, 12½ miles of street circuits. City pays $80 per light per year for 390 inc. of 16 to 100 candles, burning on moon schedule 240 hours per month. Contract expires in November, 1909. Ju.

CAMPECHE. United States Electric Light Co. 75.

DURANGO. La Compania de la Luz Electrica de Durango. 2 Heisler dynamos. Capacity of station, 1,200 inc. In use, 350 public street inc. 2 McIntosh & Seymour compound condensing engines, 2 Brownell boilers, 30½ miles of street circuits. City pays for 350 inc. of 16 and 32 candles, burning 240 hours per month. Contract expires in October, 1909. Ju.

GUADALAJARA. Plant owned by town. E. A. Hutchinson, Electrician. 4 United States dynamos. Arc capacity, 68; inc., 120. 2 New York Safety high speed engines, 2 Ames Iron Works boilers, Schieren belts, Underwriters' wire, 25,200 feet.

MARELIA. Government Electric Light Plant. Seeger, Guernsey & Co. operate the plant on a contract. Fort Wayne Jenney system. City pays $700 per month for 90 arc of 3,000 candles, burning till 11 P. M. on moon schedule. Contract expires annually in December. Ju.

Empress de la Luz Electricita. 75.

MEXICO. Mexican Gas and Electric Co. 75.

PUEBLA. Compania del Alumbrado Electrico. Capital stock, $150,000; all paid in. S. B. de Mier, President. L. Gargollo, Secretary. T. E. Lyon, Superintendent and Electrician. Annual meeting held at call. 6 Thomson-Houston dynamos. Capacity of station, 200 arc, 700 inc. In use, 2 commercial arc, 105 public street arc, 700 commercial inc. 1 200 h. p. Leffel turbine, 1 75 h. p. McIntosh & Seymour engine, 1 100 h. p. Porter boiler, American and Munson belts, several wires, 50 miles of street circuits. City pays $—— per light per year for 105 arc of 1,200 candles, burning all night on moon schedule. Contract made in April, 1888, expires in 1904. Ju.

TRACUBAYA. Tracubaya Electric Light Co. Fort Wayne system. 75.

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ALPHABETICAL LIST

—OF THE—

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For explanation of the Ratings in the list given below, see Confidential Rate Sheet. For interests kindred to Electrical, see section devoted to Kindred Interests.

Officers of Central Lighting Stations are not given below. For such, see section devoted to Central Stations.

A.

Abbe, H. H. (Gong Bell Manufacturing Co.), East Hampton, Conn.

Abbott, C. L., electrician, 52 Middle street, Lowell, Mass. 40.

Abbott, Nathan, President of the Giant Electric Motor Co., Boston, Mass.

A B C Motor Co., manufacturers of motors and dynamos, 44 Gold street, New York, N. Y. 75.

Abernethy, J. P., Superintendent of Telegraph, 58 City Hall, Cleveland, Ohio.

Acheson, Edw. G., electrician, Box 952, Pittsburgh, Pa.

Acme Electric Co., manufacturers of dynamos and motors, 6 Gilfillan Block, St. Paul, Minn. P F.

Adam, Frank (Blattner & Adam), St. Louis, Mo.

Adams, A. F., Little Rock, Ark., Superintendent Arkansas Division of Southwestern Telegraph and Telephone Co., Austin, Texas.

Adams, H. C., Agent Ft. Wayne Electric Co., 115 Broadway, New York.

Adams, W. L., representative of the North American Construction Co., of Pittsburgh, Pa., 12 Brown Building, Buffalo, N. Y.

Adams, W. H., Superintendent Holmes, Booth & Haydens, Waterbury, Conn.

Adams, W. P., General Manager Western Power Construction Co., Chicago, Ill.

Addison, Thomas, Salesman Thomson-Houston Electric Co., 148 Michigan avenue, Chicago, Ill.

Adler, Christian (Einbigler & Adler), New York.

Adrian, W., electrician, 970 Liberty street, Pittsburgh, Pa. A A Q.

Ahern, James, dealer in electric light fixtures and supplies, 280 Asylum street, Hartford, Conn. W G.

Ahern, T. (Ahern & Soper), Ottawa, Ont.

Ahlstrom, Oscar, electrician and manufacturer of specialties, 162 William street, New York. G.

Alarm Box Controller Co. (Chas. E. Bailey, President and Manager), manufacturers of alarm system, Providence, R. I. The Providence Auxiliary Fire Alarm Co. is the same as above, and are now selling the right to use the system or State territory. S S H.

Albee, E. G., Vice-President E. P. Gleason Manufacturing Co., New York.

Alcorn, Wm., electrician, 622 27th street, Chicago, Ill. 75.

Alexander, F. E., with Westinghouse Electric Co., 620 Atlantic avenue, Boston, Mass.

Alexander, P. H., General Manager of Sawyer-Man Electric Co., New York, N. Y.

Alexander, W. W., Vice-President of Gill-Alexander Electric Manufacturing Co., Kansas City, Mo.

Alger, R. A., President of Parish Bros. & Peck Electrical Co., Detroit, Mich.

Allen, C. C., Treasurer and Manager Boston Electric Co., Boston, Mass.

Allen, James, bell hanger, 18 John R street, Detroit Mich. B Q.

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Allen, H. A., electrician, 762 Walnut street, Chicago, Ill. 40.

Allen, Herbert O. (Orla D. Allen & Co.), Detroit, Mich.

Allen, Orla D. (Orla D. Allen & Co.), Detroit, Mich.

Allen, Orla D., & Co. (Orla D. Allen, Herbert O. Allen), electricians, 42 Windsor street, Detroit, Mich. B F.

Alley, J. H., Secretary of the New England Weston Electric Light Co., and Vice-President Union Electric Car Co.

Aloe & Son, dealers in electrical instruments, 415 Broadway, St. Louis, Mo. W H.

American Acoustic Telephone Co. (Russell C. Elliott, Manager), 43 Milk street, Boston, Mass. 75.

American Automatic Protector Co. (Samuel M. Bryan, President; F. W. Moulton, Secretary; Chas. G. Beebe, Treasurer), manufacturers of electric telephone protectors, 619 14th street, Washington, D. C. W G.

American Bell Telephone Co., The (Howard Stockton, President; W. R. Driver, Treasurer; John E. Hudson, General Manager), 95 Milk street, Boston, Mass.

Alter, Franklin, Treasurer, the Card Electric Motor and Dynamo Co., Cincinnati, Ohio.

Aluminum Battery, Electric Light and Power Co., The (J. Floyd King, President; Franz A. Assman, Vice-President; Carl Dawnm, Secretary; Albert H. Curtis, Treasurer; Frank G. Curtis, Manager; E. E. Waters, Counsellor), installing electric light and power plants, 78-80 Cortlandt street, New York, N. Y. 75.

Aluminum Brass and Bronze Co. (Fred J. Kingsbury, President and Treasurer; Fred J. Kingsbury, Jr., Secretary; C. S. Morse, Assistant Treasurer; Dr. Leonard Waldo, Electrical Engineer; Thomas L. Fowler, General Manager), manufacturers of aluminum and silicon copper alloys, Bridgeport, Ct., New York office, 53 Chambers street.

American Circular Loom Co. (J. N. Smith, President; A. T. Clark, Treasurer; H. H. Brooks, General Manager), woven covered insulated wire and cables, 620 Atlantic avenue, Boston, Mass. S 65.

American Conduit and Construction Co. (Benjamin A. Ham, President; Thos. F. Meehan, Secretary; Frank E. Magullion, Treasurer), manufacturers of cement conduits, Jamaica Plain, Boston, Mass. P P G.

American District Telegraph Co. (E. P. Lansing, Superintendent and Electrician), electrical work and supplies, Troy, N. Y. N G.

American Electric Motor Co. (Jesse H. Lippincott, President; Geo. H. Fitzwilson, Secretary; Thos. R Lombard, Treasurer; Geo. S. Evans, Superintendent), manufacturers of motors, 14 Morris street, Jersey City, N. J. 75.

American Electric Register Co. (C. E. Roberts, President; E. S. Hamblen, Treasurer; W. W. Montgomery, General Manager; Chas. A. Kellogg, Assistant Clerk), manufacturers of electric registers for street cars, 620 Atlantic avenue, Boston, Mass. G 85.

American Electrical Works (E. F. Phillips, President and Manager; W. H. Sawyer, Secretary, Treasurer and Electrician), manufacturers of insulated wire, cord and cables, 67 Stewart street, Providence, R. I. Z G.

American Fire Alarm Co. (C. F. Blackwell, President; E. F. Woodman, Superintendent and Electrician), manufacturers of thermostats and automatic fire alarm system, 71 Kilby street, Boston, Mass. F 85.

American Magnetic Electric Co., 88 Purchase street, Boston, Mass. 75.

Ames Manufacturing Co. (Aretas Blood, President; H. H. Soule, Treasurer), manufacturers of electrical machines, 33 Pimberton Square, Boston, Mass. 75.

Ames B. L. (Ames, Wright & Co.), St. Paul, Minn.

Ames, Wright & Co. (B. L. Ames and B. H. Wright), Agents Western Electric Co., 51 East 4th street, St. Paul, Minn. P P G 33.

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Amory, Robert, President Economic Electric Manufacturing Co., Boston, Mass.

Anderson, Albert, 21 Hamilton street, Boston, Mass.

Anderson, Alex., manufacturer of fire alarm, Toronto, Ont. D. F.

Anderson, Albert & J. M., manufacturers of electric goods, 21 Hamilton street, Boston, Mass. R G.

Anderson, C. A., bell hanger, 606 Ann street, Wilmington, N. C. 75.

Anderson, Dr., Chemist of Himmer & Anderson Dry Battery Co., New York, N. Y.

Anderson, J. M. (Albert & J. M. Anderson), Boston, Mass.

Anderson, Jno. S., Secretary and Treasurer of Woodward & Co., Toronto, Canada.

Anderson, Warren, Secretary and General Manager the Miami Telephone Co., Xenia, Ohio.

Andrae, Julius, manufacturer of and dealer in electrical supplies, 225 West Water street, Milwaukee, Wis. L F.

Andreas, Conrad (C. Andreas & Son), St. Louis, Mo.

Andreas, George J. (C. Andreas & Son), St. Louis, Mo.

Andreas, C. & Son (Conrad and George J. Andreas), bell hangers, 416 North 3d street, St. Louis, Mo. D F.

Andrews, D. A.,Jr. (Pettingell, Andrews & Co.), Boston, Mass.

Andrews, D. A. (Pettingell, Andrews & Co.), Boston, Mass.

Andrews, Geo. S. (C. S. Bush Co.), Providence, R. I.

Andrews, W. S., Electrical Engineer United Edison Mfg. Co., New York, N. Y.

Angel, Joseph (Bliss & Angel), Chicago, Ill.

Anglo-American Electric Light Manufacturing Co. (H. M. Munsell, Vice-President; L. S. Mall, Secretary; Bernard Lande, Manager), manufacturers of the Sarley storage battery, "Times" Building, New York.

Angstill, Geo., bell hanger, 161 Genesee street, Buffalo, N. Y. 75.

Annett, C. F., General Manager the Rocky Mountain Bell Telephone Co., Salt Lake City, Utah.

Ansonia Brass & Copper Co. (W. E. Dodge, President; A. A. Cowles, Vice-President, Treasurer and Secretary; F. G. Burton, Manager Electrical Department), manufacturers of insulated wire, etc., 19 Cliff street, New York. Factories at Ansonia, Conn. X X X H.

Anthony, M. O. & Co., dealers in electrical apparatus, Cleveland, Ohio. B F.

Anthony, Prof. W. A., Consulting Electrician the Mather Electric Co., Manchester, Conn.

Archer Electric Belt Co. (E. A. Hutchins, President; G. A. Miller, Secretary and Manager), manufacturers of electric belts, 321 West Douglass street, Wichita, Kan. T O.

Archer Electrical Mfg. Co. (N. A. English, President; J. O. Davidson, Treasurer; E. A. Hutchins, Secretary and Manager), dealers in electrical supplies, 321 West Douglass avenue, Wichita, Kan. T O.

Arnold, Craig R. & Co., manuf'rs of dynamos and motors, Chester, Pa. L F.

Arsino, C. B., Electrical Co., The (C. B. Arsino, proprietor), dealer in electrical supplies, etc., 5 E. Court street, Springfield, Mass. 55.

Arsino, C. B., electrician, 5 E. Court street, Springfield, Mass.

Armstrong, C. G., Electrician New Haven Clock Co., 315 Wabash avenue, Chicago, Ill.

Armstrong, D., bell hanger, South Bend, Ind. B Q.

Armour, F. N., Agent Chicago Edison Co., 139 Adams street, Chicago, Ill.

Armstrong, Jno. F. (Faraday Carbon Co.), Pittsburgh, Pa.

Assman, Franz A., Vice-President of the Aluminum Battery, Electric Light and Power Co., New York, N. Y.

Atherton, J. B., Secretary and Treasurer of the Norwich Insulated Wire Co., New York, N. Y.

Atkinson, G. W., Storekeeper Thomson-Houston Electric Co., 148 Michigan avenue, Chicago, Ill.

Atkinson & Sykes (T. W. Atkinson, E. C. Sykes), bell hangers, 30 Front street, Rochester, N. Y. D D F.

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Atlee, G. Y., Secretary Washington Electric Conduit Co., Washington, D. C.

Atteaux, F. E., President Train and Electric Signal Co., Boston, Mass.

Atwood, S. T., Secretary Plume & Atwood Manufacturing Co., Waterbury, Conn.

Audubon Machine Works (F. B. Farnsworth, President; H. B. Brown, Secretary; J. F. Denison, Electrician), builders of electric motors and dynamos, 41 Whitney avenue, New Haven, Conn. S G.

Austin, George L., editor and publisher "Practical Electricity," 620 Atlantic avenue, Boston, Mass.

Autenreith, Wm., dealer in electrical apparatus, Cincinnati, Ohio. P P G.

Automatic Battery Co. (Percy G. Williams, President; Mark Mayer, Secretary; P. H. Kretschmar, Treasurer; W. B. Lindsay, Superintendent), manufacturers of automatic electric batteries, 318 Fulton street, Brooklyn, N. Y. 66.

Automatic Clock Co., Room 8, Larned Building, Syracuse, N. Y. M. F.

Automatic Fire Alarm and Extinguisher Co., The (J. P. Curtis, Treasurer; S. G. Babcock, President; E. O. Richards, Secretary; Chas. Berger, Superintendent), manufacturers of Watkins automatic alarm and Grinnell automatic sprinkler, 111 Milk street, Boston, Mass. Z G,

Automatic Switch Co., The (Charles K. Harrison, President; Wm. T. Morgan, Secretary and Treasurer; G. H. Whittingham, Inventor), manufacturers of switches, No. 8, Keyser Building, Baltimore, Md. P G.

Avery, Edward, President of the Johnson Electric Supply Co., Boston, Mass.

Axthelm, Ernst, contractor for electrical work, 103 Third avenue, Pittsburgh, Pa. K G.

B.

Babbige, Augustin L., President of Duralite Manufacturing Co., Boston, Mass.

Babbitt, E. A., with Wright Electric Engineering Co., Boston, Mass.

Babcock, S. G., President of the Automatic Fire Alarm and Extinguisher Co., Boston, Mass.

Bachelor, Chas., Vice-President of the Edison Machine Works, Schnectady, N. Y.

Back Bay Electric Co. (Enoch Dill, proprietor), bell hangers, 200 Shawmut street, Boston, Mass. B G.

Backlin, D. N., Secretary of United States Electric Safety Co., New York City.

Backstrom, Chas. A., 154 West 27th street, New York, N. Y.

Bacon, Leonard H., President the De Oxidized Metal Co., Bridgeport, Conn.

Badt, Francis B. R. E., Superintendent of Engineering Department United Edison Manufacturing Co., Central States District, "Rialto," Chicago, Ill.

Bahr, John F., & Co., manufacturers of electrical instruments, 88 Dey street, New York. 75.

Bailey, C. E., President of Boston Auxiliary Fire Alarm Co., Boston, Mass.

Bailey, Chas. E., President and Manager of Alarm Box Controller Co., Providence, R. I.

Bailey, E. M., Cashier Thomson-Houston Electric Co., Boston, Mass.

Bailey, E. P., Manager Railway Department, Thomson-Houston Electric Co., Chicago. Ill.

Bailey, F. W., General Manager of Electric Piano Co., Boston, Mass.

Bailey, George C., Manager John A. Roebling's Sons' Co., 171 Lake street, Chicago, Ill.

Bailey, R. M., General Manager Central Pennsylvania Telephone and Supply Co., Williamsport, Pa.

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Baillard, E. V., electrician, 124 West 61st street, New York. 40.

Bain, Foree, electrical expert and inventor, 84 Market street, Chicago, Ill. P F.

Baird, Samuel P., electrical engineer, 407 North Broadway, St. Louis, Mo. 40.

Baker, Balch & Co., electrical engineers and dealers in supplies, 10 and 12 Atkins Block, Seattle, Wash. P F.

Baker & Co. (Daniel W. Baker, Cyrus O. Baker, Jr.), platinum refiners, 408–414 New Jersey Railroad avenue, Newark, N. J. S S H.

Baker, Cyrus O., Jr. (Baker & Co.), Newark, N. J.

Baker, Daniel W. (Baker & Co.), Newark, N. J.

Baker, E. B., General Superintendent of the Southern New England Telephone Co., New Haven, Conn.

Baker, E. K., Galveston, Texas, Superintendent South Texas Division of Southwestern Telegraph and Telephone Co., Austin, Texas.

Baker, George S. (National Engineering Bureau), Chicago, Ill.

Baker, Isaac F., mechanical engineer, 105 Park street, Lynn, Mass. 40.

Baker, J. C., Bookkeeper United Edison Mfg. Co., "The Rialto," Chicago, Ill.

Balbach, Carl (Rustin & Balbach), Omaha, Neb.

Baldwin Co., The James, manufacturers of pins and brackets for insulators, Manchester, N. H. V G.

Bale, John, bell hanger, 248 Eighth street, Dubuque, Ia. B Q 100.

Ball, Chas. E., Secretary and Mechanical Manager of Ball Electric Light Co., New York, N. Y.

Ball Electric Light Co. (Wm. L. Brown, President; Sherman H. Knevals, Vice-President; Royal E. Ball, Electrician; Chas. E. Ball, Secretary and Mechanical Manager), manufacturers of Ball electric light system, 281–289 9th avenue, New York City.

Ball Electric Light Co., Limited, The (Phelps Johnson, President; Erastus O. Jones, Vice-President; W. A. Johnson, Secretary, General Manager and Treasurer; J. N. Smith, Superintendent), manufacturers of dynamos, lamps, Toronto, Ont., Canada. G 85.

Ball Electric Light Co., The (H. M. French, Treasurer), 63 Equitable Building, Boston, Mass. G 85.

Ball, Royal E., Electrician of Ball Electric Light Co., New York, N. Y.

Baltimore National Automatic Fire Alarm Co. (Charles Seldon, President; Frank H. Smith, Vice-President; W. F. Banfiel, Superintendent), Rooms 313 and 314 Neal Building, Baltimore, Md. P G.

Banfiel, W. F., Superintendent Baltimore Automatic Fire Alarm Co., Baltimore, Md.

Bangasser, Jacob, bell hanger, 55 Seneca street, Buffalo, N. Y. 75.

Barbareaux, Julius, representing the North American Construction Co. in San Francisco, Cal.

Baris, J. H., Secretary of the Giant Electric Motor Co., Boston, Mass.

Barker, H. A., Treasurer the Fred H. Whipple Co., Detroit, Mich.

Barker, W. I., New England representative "Electrical Review" of New York, Room 29, 620 Atlantic avenue, Boston, Mass.

Barnes, G. W., bell hanger, 5 Maple street, Worcester, Mass. B F.

Barnes, Fred P., General District Agent Westinghouse Electric Co., 620 Atlantic avenue, Boston, Mass.

Barney, C. H., Treasurer of Sawyer-Man Electric Co., New York, N. Y.

Barrie, Robert, Jr., Superintendent and Electrician for Chelsea Fire Alarm Systems, 65 Bellingham street, Chelsea, Mass.

Barrett, John A., Vice-President of the Elektron Manufacturing Co., Brooklyn, N. Y.

Barrett Battery Co., The John A. (J. A. Pfarre, of Geo. Tiemann & Co., President; R. P. Barrett, Vice-President; Claude Van Bibber, M. D., Secretary and Treasurer; Charles Williams, General Manager; R. P. Barrett, Electrician; John A. Barrett, Consulting Electrician), Baltimore, Md. R H.

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Barrett, R. P., Vice-President and Electrician the John A. Barrett Battery Co., Baltimore, Md.

Barry, C. A., President Peninsular Electric Co., Grand Rapids, Mich.

Barry, E. D., Secretary and Treasurer Peninsular Electric Co., Grand Rapids, Mich.

Barry, J. F., & Co., electrical engineers and contractors, 52 William street, New York, N. Y. 40.

Barter, John D. (Schields & Barter), St. Louis, Mo.

Barter, J. D., bell hanger, Market street, St. Louis, Mo. T.

Barthmann, A., Manager of W. Hackenthal (will soon return), Berlin, Germany.

Barton, E. C. (Gong Bell Manufacturing Co.), East Hampton, Conn.

Barton, S. A., General Manager Thomson-Houston Electric Co., Boston, Mass.

Barton, Stephen E., President of Electric Mutual Insurance Co., Boston, Mass.

Bassett, F. N., Secretary and General Manager of the Electricial Novelty Co., Montclair, N. J.

Batchiler, E. H., Treasurer of the Simplex Electrical Co., Boston, Mass.

Bateman, Chas. E. (Bateman & Pollard), New York.

Bateman & Pollard (Chas. E. Bateman and H. H. Pollard), electrical engineers and contractors, 143½ E. 23d street, New York. M G.

Bates, Maurice E., Manager Western Electric Construction Co., Kansas City, Mo.

Bates, D. H., Vice-President and General Manager of the Electro-Dynamic Co., Philadelphia, Pa., and Electricial Accumulator Co., New York.

Bates, J. H., Box 2,702, New York, N. Y. W H.

Bauer, A. H., Electrical Engineer Pullman Palace Car Co., Pullman Building, Chicago, Ill., Room 307.

Baum, Harry, Treasurer of Fidelity Carbon Manufacturing Co., St. Louis, Mo.

Baumann Lock and Alarm Co. (A. C. Trebus, Secretary), manufacturers of electric locks, 222 Pine street, St. Louis, Mo. E F.

Baumann & Ott (Robert Baumann and John Ott), manufacturers of electric alarm clocks, 710 Washington avenue, St. Louis, Mo. 75.

Baumann, Robert (Baumann & Ott), St. Louis, Mo.

Baxter, C. (H. E. & C. Baxter), Brooklyn, N. Y.

Baxter Electric Motor Co., The (E. G. Haight, President; R. B. Griffin, Secretary and Treasurer; Daniel E. Evans, Superintendent; Wm. Baxter, Jr., Inventor), manufacturers of electric motors, Chase, Biddle and Chester streets, Baltimore, Md. W H.

Baxter, H. E. (H. E. & C. Baxter), Brooklyn, N. Y.

Baxter, H. E. & C., manufacturers of electrical supplies, 18 Fulton street, Brooklyn, N. Y. W G.

Bayles, Robert N., Electrician the "C. & C." Electric Motor Co., N. Y.

Bayless, G. J., General Superintendent Kansas Electric Co., Topeka, Kansas.

Bayley, S. K., Treasurer and General Manager of the Stellar Electric Co., Boston, Mass.

Baxter, Wm., Jr., Inventor Baxter Electric Motor Co., Baltimore, Md.

Beach, F. G., General Superintendent Central Union Telephone Co., Chicago, Ill.

Beales, Joseph, Greenfield, Mass., Vice-President Boston Electric Valve and Motor Co., Boston, Mass.

Beals, Pascal P., Contractor for electric light and power plants, office, 50 Terrace, Buffalo, N. Y. 75.

Beam Bros. & Co. (J. F. Beam, J. G. Beam, Charles McMillan), dealers in telegraph poles, 9 Dayton street, Buffalo, N. Y. W H.

Beam, J. G. (Beam Bros. & Co.), Buffalo, N. Y.

Bean, W. H. (New Haven Insulated Wire Co.), New Haven, Conn.

Bean, I. M., Vice-President Johnson Electric Service Co., Milwaukee, Mis.

Bear, S. J., Secretary and Treasurer Kansas Electric Co., Topeka, Kansas.

Beattie Battery Time and Electrical Co., The, manufacturers of batteries, Ballard, Fall River, Mass. 75.

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Beatey, Geo. A., Manager Electrical Department the National Electric Construction Co., Boston, Mass.

Beattie, John, Jr., Manager and Superintendent the Beattie Battery, Zinc and Electric Co., Fall River, Mass.

Beaumont, Irwin J., Agent the Brush Electric Co., 607 and 608 New York Life Insurance Co. Building, St. Paul, Minn.

Beck, G. P., Jr. (Waterloo Electric Co.), Waterloo, Iowa.

Beck, Louis D., President of the Norwich Insulated Wire Co., New York, N. Y.

Becker, Alfred, dealer in annunciators, Cincinnati, Ohio. B Q.

Becker, D., Vice-President California Electrical Works, San Francisco, Cal.

Beckford, E. S., manufacturer and dealer in bells, etc., 3 La Grange street, Boston, Mass. B B F.

Beebe, Chas. G., Secretary and Treasurer of the Chesapeake and Potomac Telephone Co., and Treasurer of the American Automatic Protection Co., Washington, D. C.

Beers, J. M., Electrician Yale College, 856 Congress street, New Haven, Conn. 40.

Beesley, Jas., Secretary Cassidy & Son Manufacturing Co., New York City.

Behrens, Wm. C., Treasurer of Bergmann Electric and Gas Fixture Co., New York, N. Y.

Belcher, A. N., Secretary and Treasurer Commercial Telephone Company, of Troy, N. Y.

Belcher & Loomis (L. C. Belcher, E. A. Loomis and N. W. Belcher), dealers in electric supplies, 91 Weybosset street, Providence, R. I. W H 150.

Belcher, L. C. (Belcher & Loomis), Providence, R. I.

Belcher, N. W. (Belcher & Loomis), Providence, R. I.

Belding Motor and Manufacturing Co. (T. G. Crosby, President; A. F. Dexter, Vice-President; W. S. Gooding, Secretary and Treasurer; W. S. Belding, Electrician), manufacturers of motors, 144 Adams street, Chicago, Ill. V. G.

Belding, W. S., Electrician Belding Motor Manufacturing Co., Chicago, Ill.

Bell, Alexander Graham, inventor of the telephone, 1,836 19th street, Washington, D. C.

Bell Electric Co. (Fred W. Bell), dealer in electrical supplies, 53 4th street, Minneapolis, Minn. B Q.

Bell, Fred W. (Bell Electric Co.), Minneapolis, Minn.

Bell, J. P., Director and Contractor of Dawn Electric Construction Co., Chicago, Ill.

Bell, Dr. Louis, Editor of "The Electrical World," 167-177 "Times" Building, New York, N. Y.

Bell Rock Electrical Conductor Co., The (Adam Cook, President; Peter B. Wiley, Treasurer), manufacturers of insulating material, Malden, Mass. M G.

Bell Telephone Co., of Buffalo., The (Henry M. Watson, President; Edward J. Hall, Vice-President and General Manager; Harlow C. Palmer, Secretary and Treasurer; J. N. Culbertson, General Superintendent; Geo. L. Taylor, Assistant Superintendent; Arthur P. Roberts, Auditor; Wm. Vesey, Jr., General Contracting Agent), 14 and 16 W. Seneca street, Buffalo, N. Y. H 85.

Bell Telephone Co., of Missouri, The (E. A. Hitchcock, President; John R. Lionberger, Vice-President and Treasurer; Geo. F. Durant, General Manager; C. A. Smith, Secretary), 322 Pine street, St. Louis, Mo. Z Z H.

Bell Telephone Co., of Philadelphia, The (James Merrihew, President; Ambroze A. Zeigler, Treasurer; Samuel B. Huey, Secretary; Samuel M. Plush, General Manager; Geo. W. Snyder, Superintendent), S. W. corner of 4th and Chestnut streets, Philadelphia, Pa. X X H.

Bell, Thomson R., mechanical engineer, 64 Ingalls Block, Indianapolis, Ind. 40.

Bell, Vernon, bell hanger, 51 3rd street, S. Minneapolis, Minn. A A F.

Beller, John (Lowder & Beller), Sioux City, Iowa.

Belmont, F. W., Secretary of E. P. Gleason Manufacturing Co., New York.

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Bender, O. N. (O. N. Bender & Co.), Providence, R. I.

Bender, O. N., & Co. (O. N. Bender, Providence, R. I., O. N. Draper, Attleboro, Mass.), manufacturers of cable supporters and hangers, 102 Orange street, Providence, R. I.

Benedict & Burnham Manufacturing Co. (A. S. Chase, President; E. L. Bronson, Treasurer; E. L. Frisbie, Jr., Secretary), manufacturers of insulated copper wire, Waterbury, Conn. X X X H.

Benham, George H., Secretary Holmes, Booth & Haydens, Waterbury, Conn.

Benjamin, A. Bedell, Secretary of the Clark Electric Co., New York, N. Y.

Benner, F. W., Secretary of the Stellar Electric Co., Boston, Mass.

Bennett, Jno. B., Manager of National Telephone Manufacturing Co., Boston, Mass.

Bennett, J. C., Electrician United Edison Manufacturing Co., New York, N. Y.

Bennet, W. C., President of Detroit Electrical Manufacturing Co., Detroit, Mich.

Bent, Geo. H., Agent the United Edison Manufacturing Co., 14 Tweddle Building, Albany, N. Y.

Bently, Henry, President of the Electric Cable Construction and Maintenance Co., Philadelphia, Pa.

Benton, Thomas P., & Son, manufacturers of electric motors, La Crosse, Wis. 75

Benbow, William C. (Thomson-Houston Electric Co.), Boston, Mass.

Bergholtz, Herman, Mechanical Draughtsman Thomson-Houston Electric Co., Lynn, Mass.

Bergmann Electric and Gas Fixture Co. (Sigmund Bergmann, President; P. H. Klein, Jr., Secretary; Wm. C. Behrens, Treasurer), manufacturer of electric fixtures, 527–537 West 34th street, New York, N. Y. V V G.

Bergmann, Sigmund, President of Bergmann Electric and Gas Fixture Co., New York, N. Y.

Berkshire Electric Co. (C. G. Tompkins, Manager), retail dealers and workers in electrical supplies, 16½ North street, Pittsfield, Mass. D D F.

Berliner, Emile, inventor, Columbia road, between 14th and 15th streets, Washington, D. C.

Bernard, Edgar G., electrical engineer, Utica, N. Y. 40.

Bernstein Electric Co. (John Davis, President; Henry Cram, Treasurer; G. A. Frei, Electrician and Superintendent), manufacturers of incandescent lamps, 620 Atlantic avenue, Boston, Mass. G 85.

Berry, John H., Vice-President Kester Electric Co., Terre Haute, Ind.

Best, F. W., & Co., retail dealers in gas and electric light fixtures, 1120 15th street, Denver, Col. R G 2.

Bevin, A. A., Manager Bevin Bros. Manufacturing Co., East Hampton, Conn.

Bevin, A. G., President Bevin Bros. Manufacturing Co., East Hampton, Conn.

Bevin Bros. Manufacturing Co. (A. G. Bevin, President; W. H. Bevin, Secretary; P. Bevin, Treasurer; S. Mills and A. A. Bevin, Managers), manufacturers of electric bells, East Hampton, Conn. V V G.

Bevin, P., Treasurer Bevin Bros. Manufacturing Co., East Hampton, Conn.

Bevin, W. H., Secretary Bevin Bros. Manufacturing Co., East Hampton, Conn.

Bickford Railway Station Indicator Co., manufacturers of train signals and station indicators, Salem, Mass. 75.

Bickford, Wm., President B. S. Hale & Son, Malden, Mass.

Bicknell, Thos. W., Secretary and Treasurer New England Port Electric Co., Boston, Mass.

Bidwell, Charles S., electrical engineer, Columbus, Ohio. 40.

Bigelow, F. G., Treasurer Wisconsin Telephone Co., Milwaukee, Wis.

Bird, F. W., & Son, manufacturers of insulating paper, East Walpole, Mass. W H.

Bird, W. H., Treasurer of Electric Piano Co., Boston, Mass.

Birdsall, E. T., consulting and constructing engineer, 115 Broadway, New York, N. Y. 40.

Bishop Gutta Percha Co. (Sam'l Boardman, President; Henry A. Reed,

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Secretary and Manager; W. W. Marks, Superintendent), manufacturers of wires and cables, 420–426 East 25th street, New York City. S G.

Bishop, W. S., manufacturer of dynamos and motors, 958 Grand avenue, New Haven, Conn. E F.

Black, Chas. N., Student Princeton Electrical School, Princeton, N. J.

Black Hills Telegraph and Telephone Co., The (L. W. Ingham, President; E. D. Dyar, Treasurer and General Manager; Paul Rewman, Local Manager), Dover, Minn. 75.

Black, L. & Co. (Albert Landsberg, Mrs. Augusta Black and William Black), dealers in electrical instruments, 142 Woodward ave., Detroit, Mich. WH.

Black, Mrs Augusta (L. Black & Co.), Detroit, Mich.

Black Rock Carbon Co. (F. C. Hoddick and W. H. Boulton), manufacturers of carbon points and plates, 1590 Niagara street, Buffalo, N. Y. 65.

Black, William (L. Black & Co.), Detroit, Mich.

Black, W. T., Treasurer Empire City Electric Co., New York, N. Y.

Blackwell, C. F., President of American Fire Alarm Co., Boston, Mass.

Blackwell, H. F. (Carlisle & Blackwell), Brooklyn, N. Y.

Blades, F. A., Secretary and Treasurer Detroit Motor Co., Detroit, Mich.

Blades, H. H., electrician, 212 Griswold street, Detroit, Mich.

Blaisdell, J. L., representing Charles W. Trainer & Co., of Boston, Mass.

Blake, Edward, Treasurer and General Manager New England Electric Co., Boston, Mass.

Blake, Francis, Auburndale, Mass. 75.

Blake, S. N., electrician, 687 Park Place, Elmira, N. Y. L G.

Blattner & Adam (Henry Blattner and Frank Adam), bell hangers, 220 North Fourth street, St. Louis, Mo. R 58

Blattner, Henry (Blattner & Adam), St. Louis, Mo.

Bleckert & Wilson (successors to Noyes Bros.), manufacturers of electric fixtures, Chicago, Ill. 65.

Blish, Rodger (Elm City Electric Co.), New Haven, Conn.

Bliss & Angel, (Geo. H. Bliss, Joseph Angel), electrical experts, engineers and contractors, general Western agents for the Eureka Tempered Copper Co., Rooms 612, 613 and 614 Temple Court, 225 Dearborn street, Chicago, Ill. G 85.

Bliss, Donald M., Electrician Canada Electric Co., Amherst, N. S.

Bliss, Geo. H., dealer in electrical securities, exploiter of electrical inventions, President Root Electric Gas Lighting Co., and of the firm of Root & Angel, Rooms 612, 613 and 614 Temple Court, 225 Dearborn street, Chicago, Ill.

Blodgett, A. D., proprietor of Blodgett Bros. & Co., Boston, Mass.

Blodgett Bros. & Co. (A. D. Blodgett, proprietor), manufacturers of electric supplies, 383 Federal street, Boston, Mass. Q.

Blodgett, Geo. W. (Electrical Engineering Co., Boston, Mass.), Electrical Engineer Boston and Albany R. R.

Blood, Aretas, President Ames Manufacturing Co., Boston, Mass.

Blood, W. Henry, Jr., Electrical Engineer Thomson-Houston Electric Co., Lynn, Mass.

Bloomer, J. G., Secretary and Treasurer California Electrical Works, San Francisco, Cal.

Blum, B. & Co., dealers in electrical supplies, 5 and 7 Dey street, New York, N. Y. M G.

Blundell, A. F., General Manager Midland Electric Co., Omaha, Neb.

Bly, Charles L., manufacturer and dealer in electrical supplies, 37 Pearl street, Boston, Mass. P P F.

Boardman, Samuel, President Bishop Gutta-Percha Co., New York City.

Boessler, Paul, dealer in telegraphic instruments, batteries, etc., 816 Chapel street, New Haven, Conn. P G.

Boettger, Gustav, retail dealer in electric supplies, 393 2d street, Milwaukee, Wis. F.

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Bogart, Abraham L., manufacturer and dealer in electric gas lighting apparatus, 22 Union Square, New York City. V V H.

Bogue, Charles J., Electrical Engineer with New American Electrical Arc Light Co., 165 West 18th street, New York, N. Y.

Bohn, Christian C., dealer in electrical supplies, 549 10th avenue, New York. D G.

Boileau, Wallis, Treasurer De Kosenko and Hetherington Manufacturing Co., Philadelphia, Pa.

Bolton, Edward D. (T. Wm. Harris & Co.), New York City.

Bouchelle, William F., Assistant Secretary of the Metropolitan Telephone and Telegraph Co., New York, N. Y.

Bonsilate Box Co., manufacturers of bonsilate insulating materials, 24 Mechanic street, Hartford, Conn. 75.

Booker, S G., Secretary and Manager Fidelity Carbon Manufacturing Co., St. Louis, Mo.

Bosch, Adam, Superintendent Fire Alarm Telegraph, Newark, N. J.

Bossart, Paul W., electrical engineers, 821 Keith & Perry building, Kansas City, Mo. D G.

Bosson, F. N., electrical engineers, 148 Michigan avenue, Chicago, Ill. Q 40.

Boston Art Brass Co. (Robert McGeorge, Wm. Wilson), manufacturers of electroliers, 131 Summer street, Boston, Mass. P G.

Boston Auxiliary Fire Alarm Co. (C. E. Bailey, President; S. S. Sias, Treasurer), 17 State street, Boston, Mass. 75.

Boston Electric Co. (W. H. Willcox, President; C. C. Allen, Treasurer and Manager; C. H. Crockett, Electrician), manufacturers of and dealers in electricial supplies, 584 Washington street, Boston, Mass. V G.

Boston Electric Time Co. (W. P. Ellison, President; J. E. Goldsworthy, Vice-President; F. F. Whiting, Treasurer; J. H. Clark, General Manager), 149 Congress street, Boston, Mass. F 85.

Boston Electric Valve and Motor Co. (Wm. B. Chase, President, Swampscott, Mass; Josiah Beales, Vice-President, Greenfield, Mass.; Henry M. Nichols, Treasurer, Boston, Mass.; Hirman Houghton, General Manager, Leeds, Mass; Labau Heath & Co., Selling Agents, Boston, Mass; Josiah H. Drummond, Clerk, Portland, Me.), manufacturers of electric valves and motors, 48 Hanover street, Boston, Mass. 86.

Bottomly, Harry, Electrical Engineer Thomson-Houston Electric Co., Lynn, Mass.

Boulton, W. H., Superintendent Black Rock Carbon Co., Buffalo, N. Y.

Bournonville, Antoine (Alfred F. Moore), Philadelphia, Pa.

Bouton, C. B., Treasurer McGuire Manufacturing Co., Chicago, Ill.

Bowers, E. S. (Stewart & Bowers), Wichita, Kan.

Bowers, Geo. E., manufacturer of dynamos and motors, 527 Main street, Fitchburg, Mass. D Q.

Bowen, William, General Manager Hawkeye Electric Manufacturing Co., Davenport, Ia.

Bowker, F. E. (Fitchburg Electrical Supply Co.), Fitchburg, Mass.

Boyd, L. A., Secretary of National Electric Headlight Co., Indianapolis, Ind.

Boynton, Edward C., with Elektron Manufacturing Co., Brooklyn.

Boynton, F. J., Auditor of New England Telephone and Telegraph Co., Boston, Mass.

Brackett, Prof. Cyrus F., Princeton, N. J.

Bracken, Wm., President of Consolidated Electric Storage Co., New York, N. Y.

Bradbury & Stone, manufacturers of switches, etc., 167 Westford street, Lowell, Mass. 75.

Bradford, C. F. (Bradford, Kyle & Co.), Plymouth, Mass.

Bradford, Kyle & Co. (C. F. Bradford, Wm. S. Kyle and Nathaniel Morton), manufacturers of insulated wire, Plymouth, Mass. V G.

Bradley, Charles S., with Fort Wayne Electric Co., Fort Wayne, Ind.

Bradley, Edward C., bell hanger, 188 East Main street, Rochester, N. Y. B 85.

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Bradley Electric Power Co. (Wm. C. Dryer, President; Samuel H. Rathbone, Secretary; L. A. Frabbicotti, Treasurer; Chas. O. Bradley, Manager and Electrician), manufacturers of dynamos, 68 Broadway, N. Y. 75.

Brady, T. H., manufacturer of mast arms and hoods for electric lights, New Britain, Conn. D D F.

Brady, Paul T., Superintendent Central New York Telephone and Telegraph Co., Cooperstown, N. Y.

Bragg, Chas. A., representing the Westinghouse Electric Co., the United States Electric Lighting Co., Sawyer-Man Electric Co., Girard Building, Broad and Chestnut streets, Philadelphia, Pa.

Braid, J. W., manufacturer and dealer in electrical instruments and supplies, Nashville, Tenn. L E.

Braxmar, C. G. (Fenn & Braxman), New York City.

Brayton, Chas. A., President the Cleveland Motor Co., New York City.

Brayton, W. C., Pres. of Syracuse Electrical Manufacturing Co., Syracuse, N. Y.

Breckenridge, H. A., Superintendent Rhode Island Telephone and Electric Co., Providence, R. I.

Breed, Amos F. V., President of Wm. Robinson Electric Motor Co., Boston, Mass.

Breen, John F., bell hanger, 2,510 St. Louis avenue, St. Louis, Mo. 75.

Brewer, A. R., Secretary of the Gold and Stock Telegraph Co., New York, N. Y.

Brewer, Horatio J., Vice-President the Waite & Bartlett Manufacturing Co., and Secretary and Treasurer Leclanche Battery Co., New York.

Brewer, Jas. P., President of the Brewer & Smith Visual Signal Co., New Haven, Conn.

Brewer & Smith Visual Signal Co., The (Jas. P. Brewer, President; Ed. L. Linsley, Secretary; J. C. Cable, Treasurer; W. C. Smith, Electrician and Superintendent Fire Alarm), manufacturers of police signal telegraph, 102 Orange street, New Haven, Conn. V G.

Bridgeport Brass Co. (C. H. Mitchell, President; Fred A. Mason, Vice-President and Treasurer; D. W. Kissam, Secretary), wire rollers, Bridgeport, Conn. Z Z H.

Bridgeport Electric Manufacturing Co. (Fred. A. Mason, President and Treasurer; Henry D. Stanley, Secretary), manufacturers of insulated wire, Bridgeport, Conn. S S H.

Bridgman, E. C., Vice-President National Electric Protector Co., New York, N. Y.

Brien, Joseph A. (Elwood & Brien), Rochester, N. Y.

Briggs, Geo. T., Electrician of the Eddy Electric Manufacturing Co., Windsor, Conn.

Briggs, Jos. H., Secretary and Treasurer Kester Electric Co., Terre Haute, Ind.

Britton, Rudolph B., bell hanger, 1016 Main street, Keokuk, Iowa. 100.

Bronson, E. L., Treasurer Benedict & Burnham Manufacturing Co., Waterbury, Conn.

Brooke, Homer, manufacturer of glass moulds, 44 Barclay street, New York, N. Y.

Brooks, E. J., President Culp Electric Brush Co., The, New York, N. Y.

Brooklyn Electric Manufacturing Co. (Richard J. Ward), manufacturers and dealers in electrical supplies, 90 Manhattan avenue, Brooklyn, N. Y. K K F.

Brooks, Orion, President Electrical Supply Co., San Francisco, Cal.

Brophy, Wm., Chief Inspector of Electric Mutual Insurance Co., Boston, Mass.

Brower, H. C., & Son, dealers in bells, etc., 79 East Genesee street, Syracuse, N. Y. R H.

Brown, Alex., Treasurer Electric Automatic Transit Co., Baltimore, Md.

Brown, A. C., Proprietor Telephone Exchange, Montpelier, Vt. 75.

Brown, A. H. (United Edison Manufacturing Co.), New York, N. Y.

Brown, Alfred S., Electrical Engineer Western Union Telegraph Co., New York, N. Y.

Brown, A. R., Manager of Consolidated Electric Manufacturing Co., Boston, Mass.

Brown, C. A. (Western Electric Co.), Chicago, Ill.

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Brown, C. E., with Central Electric Co., Chicago, Ill.

Brown, Chas., bell hanger, 1149 9th avenue, New York, N. Y. T.

Brown Electric Protector Co., of New England (W. H. Smith, President and General Manager; Robert Johnson, Treasurer; Dustin Killecutt, Secretary), manufacturers of electric protectors, 54 Devonshire street, Boston, Mass. 75.

Brown, H. B., Secretary Audubon Machine Works, New Haven, Conn.

Brown, Harold P., electrician, 47 Wall street, New York. 40.

Brown, J. F., dealer in electric supplies, Lansing, Mich. B B G.

Brown, Jo. Stanford, Electrical Engineer with Daft Electric Light Co., New York, N. Y.

Brown, M. W., General Manager of New England Printing Telegraph Co., Boston, Mass.

Brown, P. B., Superintendent of Construction Pacific Telephone and Telegraph Co., 325 Pine street, San Francisco, Cal.

Brown, S. J., electrician, Marquette, Mich. Q 85.

Brown, Thomas G., President New Century Electric Co. New York, N. Y.

Brown, Wm. A., Treasurer New Century Electric Co., New York, N. Y.

Brown, Wm. L., President of Ball Electric Light Co., New York, N. Y.

Browning, Howard L , consulting engineer, 41 Dey street, New York, N. Y. D G.

Brownlee & Co. (John M. Brownlee, President; W. E. Brownlee, Secretary and Treasurer), dealers in poles, etc., Detroit, Mich.

Brownlee, John M., President Brownlee Co., Detroit, Mich.

Brownlee, W. E., Secretary and Treasurer, Brownlee & Co., Detroit, Mich.

Brush, Chas. F., inventor, 956 Euclid avenue, Cleveland, Ohio.

Brush Electric Co. (G. W. Stockly, President; J. J. Tracy, Vice-President; J. Potter, Treasurer; S. M. Hamill, Jr., Secretary; N. S. Parsons, Superintendent; W. J. Parsons, Assistant Superintendent), manufacturers of Brush electric apparatus, Cleveland, Ohio. X X X H.

Bryan, Fred S., Treasurer and Secretary of Duralite Manufacturing Co., Boston, Mass.

Bryan, Sam'l M., President of the Chesapeake and Potomac Telephone Co., and President American Automatic Protection Co., Washington, D. C.

Bryan, Wm. H., with Heisler Electric Lighting Co., St. Louis, Mo.

Bryant Electric Co., The (H. F. Clark, President; W. C. Bryant, Secretary and Treasurer), manufacturers and dealers in electrical specialties, 88 John street, Bridgeport, Conn. L F.

Bryant, W. C., Secretary and Treasurer the Bryant Electric Co., Bridgeport, Conn.

Bryner, C. J., President Southwestern Electrical Engineering Co., St. Louis, Mo.

Brumley, Avery (Royal Electrical Specialty Co.), New York, N. Y.

Brunner, H. J., dealer in electrical supplies, Kansas City, Mo. Hardware dealer.

Bubier, E. T., Proprietor and Manager Bubier Publishing Co., Lynn, Mass.

Bubier Publishing Co. (E. T. Bubier, Proprietor and Manager), dealer in electrical supplies, 20 City Hall Square, Lynn, Mass. K K G.

Buchanan, Wm. B., Secretary of the Rhodes Manufacturing Co., Philadelphia, Pa.

Buck, H. C., Electrician, 85 Water street, Boston, Mass. Q 40.

Buckeye Electric Co. (F. H. Prentiss, President; C. H. Rockwell, Treasurer; M. A. Lawton, Jr., Secretary; Gustav A. Frei, Superintendent); manufacturers of incandescent lamps, 257 Cleveland Arcade, Cleveland, Ohio. 65.

Buckley, W. J., Western Manager Fort Wayne Electric Co., 185 Dearborn street, Chicago, Ill.

Bucklin, S. S., Secretary and Treasurer of Grey's Dynamo Electric Machine Co., of Boston, Providence, R. I.

Buehler, Jos. (Hatzel & Buehler), New York, N. Y.

Buehler, M. H., Secretary and Treasurer Pennsylvania Telephone Co., Harrisburg, Pa.

Buell Electrical and Hydraulic Manufacturing Co. (Jas. G. Smith, President; Jos.

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N. Buell, Secretary), 171 Broadway, New York, N. Y. 75.

Buell, Jos. N., Secretary of Buell Electrical and Hydraulic Manufacturing Co., New York, N. Y.

Buell, M., Manager National Automatic Fire Alarm Co., Buffalo, N. Y.

Buffalo Electric Co. (Wells-Dygert), dealers in electric goods, 225 Pearl street, Buffalo, N. Y. L F.

Buffum, F. M., & Co., dealers in electrical supplies, Cambridge, Mass. L F.

Bullard, Albert M., electric welding room, No. 40 Fiske Building, Boston, Mass. 75.

Bullock, A. D., President of the City and Suburban Telegraph Asociation, Cincinnati, Ohio.

Bundy, Harlow E., Treasurer and Manager Bundy Manufacturing Co., Binghamton, N. Y.

Bundy Manufacturing Co. (Geo. E. Green, President; J. P. Fiebig, Vice-President; Harlow E. Bundy, Treasurer and Manager; A. Ward Ford, Secretary; W. L. Bundy, General Superintendent), manufacturers of electric cash registers, etc., Binghamton, N. Y. S S H.

Bundy, W. L., General Superintendent Bundy Manufacturing Co., Binghamton, N. Y.

Bunker, A. S., manufacturer of electric bells and supplies, 280 Common street, Lawrence, Mass. 75.

Bunnell, Jesse H. (J. H. Bunnell & Co.), New York, N. Y.

Bunnell, J. H., & Co. (Jesse H. Bunnell and Chas. McLaughlin), manufacturers and dealers in electrical supplies, 74 Cortlandt street, New York, N. Y. W G.

Burbank, J. H., bell hanger, 47 Sandford street, Springfield, Mass. B Q.

Burdett, Everett W., Vice-President of Electric Mutual Insurance Co., Boston, Mass.

Burgess, James H., Treasurer Star Brass Manufacturing Co., Boston, Mass.

Burgher, Charles, Superintendent the Automatic Fire Alarm and Extinguisher Co., 111 Milk street, Boston, Mass.

Burkhardt, F. E., Agent for New York of the Pulvermacher Galvanic Co., of Cincinati, 1164 Broadway, New York.

Burleigh, Chas. B., Electrician Thomson-Houston Electric Co. Isolated Lighting Department, 620 Atlantic avenue, Boston, Mass.

Burley, John, mechanical engineer, 102 South street, Boston, Mass. 40.

Burnham, Louis W., Vice-President of the Electric Gas Lighting Co., Boston, Mass.

Burnham, Wm. W., Treasurer and Chief Clerk of the Electric Gas Lighting Co., Boston, Mass.

Burnap, W. H., manufacturer of electro-medical apparatus, 259 West 27th street, New York City. R R G.

Burns, Elmer Z., consulting electrical engineer, Room 55, 120 Broadway, New York City. B B G.

Burns, Wm. J., President of Mill and Mine Electric Equipment Co., Pittsburgh, Pa.

Burton Electric Co. (Wm. E. Tanner, President; C. E. Wingo, Vice-President and Treasurer; A. Pizzini, Jr., Secretary; W. L. Burton, Superintendent), manufacturers of electric heaters, 909 Bank street, Richmond, Va. W G.

Burton, F. G., Manager Electrical Department Ansonia Brass and Copper Co., 19 Cliff street, New York City.

Burton, W. L., Superintendent Burton Electric Co., Richmond, Va.

Bush, Arthur R., Superintendent and Electrician of New England Wiring and Construction Co., Boston, Mass

Bush, Chas. S., President and Treasurer Providence Construction Co., Providence, R I.

Busch, C. S., Co. (C. S. Bush, J. M. Bush, Geo. S. Andrews), dealers in electric supplies, and proprietors of Providence Construction Co., 20 Exchange Place, Providence, R. I.

Bush. J. M. (C. S. Bush Co.), Providence, R. I.

Bushnell, A., dealer in poles, 9th street and Broadway, Kansas City, Mo. P P G.

Butler Electric Massage Co., manufacturers electro-medical apparatus, 5 Dey street, New York. 75.

Butler, Genl. Benj. T., President the National Electric Construction Co., Boston, Mass.

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Butler Hard Rubber Co., manufacturers of hard rubber goods for electrical purposes, 33 Mercer street, New York. W G.

Butler, J. H., President the Schuyler Electric Co., Middletown, Conn.

Butterfield, W. R., Vice-President of Butterfield and Mitchell Electric, Cooking and Heating Co., Waterville, Me.

Butterfield and Mitchell Electric Cooking and Heating Co. (J. F. Clarkson, President; W. R. Butterfield, Vice-President; Hon. W. T. Haines, Secretary and Treasurer; Willis Mitchell, Superintendent), manufacturing heating apparatus, Waterville, Me. Q 82.

Butterworth, A. W., Secretary of Carter Ore Separating and Mining Co., New York, N. Y.

Bybee, Addison, President Jenney Electric Motor Co., Indianapolis, Ind.

Byllesby, H. M., Vice-President of Sawyer-Man Electric Co., New York, and Vice-President and General Manager Westinghouse Electric Co., Pittsburgh, Pa.

Byron, Joseph, bell hanger, 438 Maine street, Worcester, Mass. B G.

C.

Cable, J. C., with the Brewer & Smith Visual Signal Co., New Haven, Conn.

Cable, Paul (Dubinski & Cable), St. Louis, Mo.

Cabot, Geo. E., Treasurer of the Holtzer-Cabot Electric Co., Boston, Mass.

Cahill, John H., Secretary of the Metropolitan Telephone and Telegraph Co., New York, N. Y.

Cahill, J. L., inventor of electric street and station indicator, San Francisco, Cal.

California Electrical Works (M. Greenwood, President; D. Becker, Vice-President; J. G. Bloomer, Secretary and Treasurer), 35 Market street, San Francisco, Cal. S G.

Caldwell, F. B., Secretary and Treasurer of the Chicago Incandescent Lamp Co., Chicago, Ill.

Caldwell, F. S., electrician, 503 Delaware street, Kansas City, Mo. 40

Caldwell, John, Treasurer of the Westinghouse Electric Co., Pittsburgh, Pa.

Campbell, A. D. (Electrical Construction Co.), Detroit, Mich.

Campbell, C. W., Electrician the Fred H. Whipple Co., residence, St. Louis, Mo.

Campbell Electric Supply Co., The (Henry F. Campbell, President and Electrician; Ronald A. Stewart, Treasurer), manufacturers of wire, 122 Milk street, Boston, Mass. 43.

Campbell, Henry F., President and Electrician the Campbell Electric Supply Co., Boston, Mass.

Campbell, O. J., Assistant Secretary and Treasurer of the United Electric Co., Cleveland, Ohio.

Canada Electric Co., manufacturers of dynamos and motors, Amherst, N. S. N F.

Candee, Willard L., Treasurer the Okonite Co., New York, N. Y.

Cannon, Wm. N., telephone contractor, Binghamton, N. Y. 25.

Canny, C. C., manufacturer of electrical conduits, 55 Champlain street, Detroit, Mich. K K Q.

Canton Electric Co., manufacturers of electric belts, Canton, Ohio. 75.

Card Electric Motor and Dynamo Co., The (Robert J. Smith, President; Jacob Weller, Vice-President; Franklin Alter, Treasurer; Robert McF. Smith, Secretary; H. H. Walter, General Manager), manufacturers of card dynamos and motors, Front and John streets, Cincinnati, Ohio. 75.

Carey, W. A., Special Agent Thomson-Houston Electric Co., Boston, Mass.

Carhart, E. M., Secretary and General Manager of the Rhode Island Electric Protective Co., Providence, R. I.

Carley, William, Secretary of the Electric Cable Construction and Maintenance Co., Philadelphia, Pa.

Carlisle, W. G. (Carlisle & Blockwell), Brooklyn, N. Y.

Carlisle & Blockwell, bell hangers, 646 Fulton street, Brooklyn, N. Y. N G.

Carnahan, Jay H., Vice-President of Mill and Mine Electric Equipment Co., Pittsburgh, Pa.

Carolina Oil and Creosote Co. (Hon. Warner Miller, President; A. A. Thomas, Gen.

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eral Superintendent; F. C. Prindle, Engineer and Superintendent; Franklin S. Clark, E. M., Ph. D., Chemist), manufacturers of creosoted conduits, Wilmington, N. C. 75.

Carpenter, C. E., Secretary Carpenter-Nevens Electro-Heating Co., North Minneapolis, Minn.

Carpenter Electric and Storage Co. (B. J. Grant, President; Edward Eddy, Vice-President; W. A. Johnston, Secretary and Treasurer; H. H. Carpenter, General Manager), manufacturers of storage batteries, Denver, Col. W. H.

Carpenter, H. H., General Manager the Carpenter Electric and Storage Co., Denner, Col.

Carpenter-Nevens Electro-Heating Co. (F. W. Nevens, President; L. Kimball, Vice-President; C. E. Carpenter, Secretary; M. F. Scofield, Treasurer), manufacturers of electric heating apparatus, 106½ 1st avenue, North Minneapolis, Minn. P G.

Carpenter, O. H., Treasurer B. S. Hale & Son, Malden, Mass.

Carr, Adam, Vice-President of Gibson Electric Co., New York, N. Y.

Carr, Charles, consulting mechanical engineer, 7 Exchange Place, Boston, Mass. 40.

Carr, L. A., Superintendent Construction United Edison Manufacturing Co., 202 Griswold street, Detroit, Mich.

Carr, L. H., electrician, 115 New Insurance Building, Milwaukee, Wis. 75.

Carrier, A. E., representing Faraday Carbon Co., Pittsburgh, Pa.

Carritt, Edward W., General Superintendent of the Metropolitan Telephone and Telegraph Co., New York, N. Y.

Carson, D. I., Secretary and General Superintendent of Southern Bell Telephone and Telegraph Co., New York, N. Y.

Carson, George J., with E. Baggott, 132 5th avenue, Chicago, Ill.

Carter, C. H. (Kings County Electric Co.), Brooklyn, N. Y.

Carter, Franklin S. (Partrick & Carter), Philadelphia, Pa.

Carter, L. S. (Molecular Storage Battery Co.), Boston, Mass. 46.

Carter, John W., Vice-President of Carter Ore Separating and Mining Co., New York, N. Y.

Carter Ore Separating and Mining Co. (W. E. Rider, President; John W. Carter, Vice-President; A. W. Butterworth, Secretary; W. R. Staples, Treasurer), concentrating iron ore, 254 Pearl street, New York, N. Y. 75.

Carter (Orr & Howe Electric Co.), Petersburg, Pa.

Cartright, D. J, electrician and inventor "Cartright" electrical appliance, 146 Franklin street, Boston, Mass.

Cary, James H., dealer in electric goods, 723 Main street, West Woonsocket Junction, Mass. 75.

Case, Willard E., 6 Fort street, Auburn, N. Y. 75.

Caspari, Max, Electrical Engineer Thomson-Houston Electric Co., Chicago, Ill.

Cassidy, J. C., President Cassidy & Son Manufacturing Co., New York City.

Cassidy, J. H., Vice-President Cassidy & Son Manufacturing Co., New York City.

Cassidy & Son Manufacturing Co. (J. C. Cassidy, President; J. H. Cassidy, Vice-President; Jas. Beesley, Secretary; E. P. Thomas, Treasurer; C. E. Holmes, Superintendent), manufacturers of gas fixtures, 133 West 23d street, New York City. W G.

Castello, J. J., Treasurer of Electric Exercising Machine Co., Boston, Mass.

Castle, W. W., Secretary of Electric Gas Oil Co., Springfield, Mass.

Catlin, Eph., President Fay Gas Fixture Co., St. Louis, Mo.

"C. & C." Electric Motor Co. (G. S. Mumford, Treasurer; Stanley Dwight, Secretary), manufacturers of motors, 402–404 Greenwich street, New York, N. Y.

Central City Electric Co. (C. H. Thompson and P. F. Healy), dealers in Bell, etc., etc., 305 Montgomery street, Syracuse, N. Y. B B F.

Central District and Printing Telegraph Co., The (D. Leet Wilson, President; Henry Metzger, General Manager; J. G. Stoakes, Secretary and Treasurer; W. D. Paynter, Superintendent; E. E.

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Hamilton, Auditor; M. R. Wolff, Superintendent Wheeling District, W. Va.), corner of 5th avenue and Wood street, Pittsburgh, Pa. Z Z H.

Central Electric Co. (Wm. H. McKinlock, President; Geo. A. McKinlock, Treasurer; F. W. Cushing, Secretary), manufacturers of electrical supplies, 116 and 118 Franklin street, Chicago, Ill. R G.

Central New York Telephone and Telegraph Co. (Robert S. Williams, President; L. H. Lawrence, Vice-President; C. A. Nicholson, General Manager; F. G. Wood, Secretary and Treasurer), Utica, N. Y. 2285.

Central Pennsylvania Telephone and Supply Co. (H. R. Roads. President; Richard O'Brien, Vice-President; R. M. Bailey, General Manager; J. E. Wilkinson, Secretary and Treasurer), Williamsport, Pa. H 85.

Central Union Telephone Co. (Henry B. Stone, President; W. S. Chapman, Secretary and Treasurer; F. G. Beach, General Superintendent; A. A. Thomas, General Solicitor; J. C. Kenny, Supply Agent), 203 Washington street, Chicago, Ill. X X X H.

Chadbourne, A. H., President the Equitable Electric Construction Co., Philadelphia, Pa.

Chadbourne, Hazelton & Co. (A. H. Chadbourne, Wm. Hazelton (3d), W. A. Stadelman), selling agents for U. S. The Wenstrom Consolidated Dynamo and Motor Co., Nos. 416, 418 and 420 Walnut street, Philadelphia, Pa. S S G.

Chadman, Geo. S., Cambridgeport, Mass., President Jackson Electric Engine and Telephone Co., Boston, Mass.

Chadwick, C. C., Manager of Parish Bros. & Peck Electric Co., Detroit, Mich.

Chadwick Lead Works, manufacturers of lead incasing electric cables, wires, etc., 176 High street, Boston, Mass. W W G.

Chadwick, Sumner C., Secretary and Treasurer of Crosby Electric Co, New York, N. Y.

Chaffee, Wm., Electrician Jackson Electric Engine and Telephone Co., Boston, Mass.

Chamberlain, J. C., Superintendent Julien Electric Traction Co., New York, N.Y.

Chamberlain, John S., President Jordan Train Electric Lighting Co., Boston, Mass.

Chamberlin, Charles M., electric engineering, 41 East Simpson street, Atlanta, Ga. 40.

Chandler, E. B, Western Agent Gamewell Fire Alarm Co., 118 La Salle street, Chicago, Ill.

Chandler, F. (Chandler & Farquhar), Boston, Mass.

Chandler & Farquhar (F. Chandler, C. S. Farquhar), dealers in electrical supplies, 177-179 Washington street, Boston, Mass. F 85.

Chandler, L. A., Secretary Tucker Electrical Construction Co., New York.

Chandler, P. C., Vice-President of Consolidated Electric Manufacturing Co., Boston, Mass.

Chandler, Sam'l, Secretary Root Electric Gas Lighting Co., Chicago, Ill.

Chandler, Webb, Agent Gamewell Fire Alarm Telegraph Co., Richmond, Ind.

Chaney, P. B., Secretary of Novelty Electrical Supply Co., Cincinnati, Ohio.

Chapman, A. H., General Agent Municipal Signal Co., Boston, Mass.

Chapman, Geo. M., bell hanger, Waterbury, Conn. B G.

Chapman, M. S., Vice-President the Mather Electric Co., Manchester, Conn, and President Perkins Electric Lamp Co., Hartford, Conn.

Chapman, W. H., dealer in electric supplies, 55 Union street, Portland, Maine. B Q.

Chapman, W. H., Electrician the Giant Electric Motor Co., Boston, Mass.

Chapman, W. S., Secretary and Treasurer Central Union Telephone Co., Chicago, Ill.

Chase, A. S., President Benedict & Burnham Manufacturing Co., Waterbury, Conn.

Chase, Wm. B., Swampscott, Mass., President Boston Electric Valve and Motor Co, Boston, Mass.

Chatterton, J. B., dealer in poles, Minneapolis, Minn. S S H.

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Cheever, Chas. A., President the Okonite Co., New York, N. Y.

Cheever, H. Durant, Secretary the Okonite Co., New York, N. Y.

Cheney, H. G., President the Mather Electric Co., Manchester, Conn.

Cheney, Robert, Secretary and Treasurer the Mather Electric Co., Manchester, Conn.

Cherry, E. V., President Standard Electrical Works, Cincinnati, Ohio.

Chesapeake and Potomac Telephone Co., The (Sam'l M. Bryan, President; Charles G. Beebe, Secretary and Treasurer), Washington, D. C. W H.

Chicago Incandescent Lamp Co. (L. T. Dickason, President; T. B. Caldwell, Secretary; A. T. Opperman, Manager), manufacturers of incandescent lamps, 13 Jefferson street, Chicago, Ill. Q 85.

Chicago Telephone Co. (Henry B. Stone, President; Norman Williams, Vice-President; C. H. Wilson, Superintendent; R. C. Wetmore, Secretary and Treasurer), Telephone Building, 203 Washington street, Chicago, Ill. X X X H.

Child, Frank W., contractor and builder of electric railways, 115 Broadway, New York. D G.

Child, Linns M., Treasurer the National Electric Construction Co., and President Union Electric Car Co., Boston, Mass.

Childs, Wm. A., President and Treasurer of the Law Telephone Co., New York, N. Y.

Chinnock, F. R., Agent United Edison Manufacturing Co., 26 Court street, Brooklyn, N. Y., Room 28, Garfield Building. T O.

Chisolm, Julian J., President Electro-Automatic Transit Co., Baltimore, Md.

Christy, James (Cleveland Construction Co.), Cleveland, Ohio.

Christy, Will (Cleveland Construction Co.), Cleveland, Ohio.

Church, W. A., mechanical inventor, lock box 113, Fulton, N. Y. 40.

Church, Wm. Lee (Westinghouse, Church, Kerr & Co.), New York and Boston.

Cincinnati Electric Engine Co., The (Emile Kahn, President; A. L. Duwelins, Electrician), manufacturers of electric motors, 12 East Third street, Cincinnati, Ohio. S S H.

City and Suburban Telegraph Association, The (A. D. Bullock, President; G. N. Stone, Vice-President and General Manager; C. G. Gore, Secretary; C. F. Dickson, Treasurer), Cincinnati, Ohio. 75.

Claflin, Adams D. (Claflin & Kimball), Boston, Mass.

Claflin, C. R. B., Jr., Agent, Claflin Dental Manufacturing Co., Worcester, Mass.

Claflin Dental Manufacturing Co. (C. R. B. Claflin, Jr., Agent), manufacturers of dynamos and motors, 38 Front street, Worcester, Mass. Q 75.

Claflin & Kimball (Adams D. Claflin, Marcus M. Kimball), New England Agents for Mather Electric Co. and Perkins Electric Lamp Co., 105 Summer street, Boston, Mass. G 85.

Clark Bros., manufacturers of dynamos, Belmont, N. Y. S G.

Clark, Chas. A., Manager B. S. Hale & Son, Malden, Mass.

Clark, Ed. A., Electrician Economic Electric Manufacturing Co., Boston, Mass.

Clark Electric Co., The (James H. Seymour, President; A. Bedell Benjamin, Secretary; Ernest P. Clark, Electrician), manufacturers of arc dynamos, 192 Broadway, New York, N. Y. V H.

Clark, Ernest L., Secretary of the Illinois Electric Material Co., Chicago, Ill.

Clark, Ernest P., Electrician of the Clark Electric Co., New York, N. Y.

Clark, F. H., representing Thomson-Houston Electric Co., 1333 F street., N. W., Washington, D. C.

Clark, Franklin S., E. M., Ph. D., Chemist Carolina Oil and Creosote Co., Wilmington, N. C.

Clark, Henry A., Treasurer and General Manager of the Eastern Electric Cable Co., Boston, Mass.

Clark, H. F., President the Bryant Electric Co., Bridgeport, Conn.

Clark, Jas., Vice-Pres. and Treas. the Ohio Valley Telephone Co., Louisville, Ky.

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Clark, J. H., General Manager of Boston Electric Time Co., Boston, Mass.

Clarke, J. V. (Moffett, Hodgkins & Clarke), Syracuse, N. Y.

Clark, L. W. (New England Pottery Co.), Boston, Mass.

Clark, M. E., Treasurer of the Rhodes Manufacturing Co., Philadelphia, Pa.

Clark, S. H. H., President of the Nebraska Telephone Co., Omaha, Neb.

Clark, Timothy, President Plattsmouth, Lamp Manufacturing Co., Plattsmouth, Neb.

Clark, W. C., manufacturer and dealer in bells, etc., 17 Free street, Portland, Me. Q 85.

Clark, W. J., Agent Thomson-Houston Electric Co., Boston, Mass.

Clarke, Chas. L., mechanical and electrical engineer, 55 Liberty street, New York, N. Y. D G.

Clarke, E. N., Auditor of the Southern New England Telephone Co., New Haven, Conn.

Clarke, Louis W., dealer in bells, 136 Westminster street, Providence, R. I. T.

Clark's Electrical Works (W. C. Clark), dealer in electric bells, etc., 17 Free street, Portland, Me. B Q.

Clarkson, J. F., President of Butterfield & Mitchell Electric Cooking and Heating Co., Waterville, Me.

Clausen, Henry J., New York Director Larrimar Fibre Goods Co., Boston, Mass.

Clay, Harry G., Jr., representing Thomson-Houston Motor Co., 117–121 North Front street, Camden, N. J., 1218–1220 Filbert street, Philadelphia, Pa.

Clay & Pepper (Harry G. Clay, Jr., David Pepper, Jr.), electrical contractors, 1218 and 1220 Filbert street, Philadelphia, Pa.

Clay & Torbensen, manufacturing electricians and machinists, 117 to 121 North Front street, Camden, N. J. R F.

Clemans, L. T., dealer in bells, Los Angeles, Cal. A A Q.

Clemons, M. E., manufacturer of electrical supplies, Attleboro, Mass. M G.

Cleveland Construction Co. (Will Christy, James Christy, Jr., C. W. Foote), electrical contractors, Rooms 1009 and 1010 Society for Savings Building, Cleveland, Ohio. P P G.

Cleveland Electrical Manufacturing Co., The (Jas. L. Dougherty, Manager; Chas. A. Dainz, Superintendent), dealers in electrical supplies, 882 Sheriff street, Cleveland, Ohio. S G.

Cleveland Gas Fixture Co. (J. V. Mathinet, President; V. P. Mathinet, Treasurer; H. L. Taylor, Secretary; R. E. Gill, Superintendent), dealers in electroliers, 396 Superior street, Cleveland, Ohio. V G.

Cleveland & Marston, dealers in electrical supplies, 84 Exchange street, Portland, Me. L F.

Cleveland Motor Co., The (Chas. A. Brayton, President; Ed. B. Gethin, Secretary and Treasurer), manufacturers of electric motors, 241 Centre street, New York, N. Y. P P G.

Cleveland Telephone Co., The (Levi Sprague, President, Lowell, Mass; Chas. J. Glidden, Secretary and Treasurer, Lowell, Mass.; J. P. McKinstry, General Manager, Cleveland, Ohio; J. E. Farnsworth, General Auditor, Austin, Tex.), 185 Seneca street, Cleveland, Ohio. Y H.

Cleverly Electrical Works (H. A. Cleverly), manufacturers of electrical appliances for electric lighting, 1018 Chestnut street, Philadelphia, Pa. N G.

Cleverly, H. A. (Cleverly Electrical Works), also Agent for Perret Electric Motor, 1018 Chestnut street, Philadelphia, Pa.

Clohesey, Thos. F., electrical engineer, 505 Board of Trade, Kansas City, Mo. M G.

Clow, Geo. E., manufacturer of electric cutouts, 57–59 S. Jefferson street, Chicago, Ill. 75.

Clower, D. M. (Clower & Harris), Dallas, Texas.

Clower & Harris (D. M. Clower, C. O. Harris), electrical engineers, 721 Elm street, Dallas, Texas. F.

Cloudman, Charles G., electrician and superintendent fire alarm, Providence, R. I.

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Cobb Vulcanite Wire Co., manufacturers of insulated wire, Wilmington, Del. F 85.

Codding, Charles R., electrical engineer, 608 Bush street, San Francisco, Cal. 40.

Coe Brass Manufacturing Co., manufacturers of brass goods, Torrington, Conn. X H.

Coffee, Wm., Electrician of Jackson Electric Engine Co., Boston, Mass.

Coffin, C. A., Vice-President and Treasurer Thomson-Houston Electric Co., and President Thomson-Houston International Co., Boston, Mass.

Coffin, Winthrop, Railroad Department Thomson-Houston Electric Co., Boston, Mass.

Cogan, John H., & Co., dealers in electric supplies, 171 Water street, Augusta, Me. P F.

Coggeshall, J. E., Auditor of Sawyer-Man Electric Co., New York, N. Y.

Cohen, B. N., President of United States Electric Safety Co., New York City.

Colburn, I. W., & Co., manufacturers of dynamos, Fitchburg, Mass. 75.

Colbey, Edward A., Electrician Weston Electrical Instrument Co., Newark, N. J.

Cole, C. B., manufacturer of electrical conduits, 304 Randolph street, Detroit, Mich. Q 85.

Cole, Gentry & Co., dealers in electric supplies, Atlanta, Ga. D D Q.

Cole, Lee E., Secretary, Hawkeye Electric Manufacturing Co., Davenport, Iowa.

Cole, Wm. H., electrical engineer, formerly 80 5th avenue, now Electrician Miner's Theatre, New York, N. Y. 80.

Collier, Geo. W., bell hanger, 65 Main street, Worcester, Mass. B G.

Collins, W. Forman, Western Manager the "Electrical Engineer," Temple Court, 225 Dearborn street, Chicago, Ill.

Collings, William, manufacturer of telephones, Afton, Iowa. 31.

Colorado Telephone Co., The (Henry R. Wolcott, President; Chas. L. McIntosh, Vice-President; E. B. Field, Treasurer and General Manager; W. S. Ford Superintendent; Zaph. T. Hill, Secretary), Tabor Block, Denver, Col. Y H.

Colorado Telephone and Telegraph Co. (officers same as Colorado Telephone Co.), Tabor Block, Denver, Col.

Colton, A. B., Salesman Thomson-Houston Electric Co., Chicago, Ill.

Colvin, Frank R., Treasurer and Business Manager the "Electrical Engineer," New York City.

Columbia Incandescent Lamp Co. (J. H. Rhotehamel, President; W. H. Welsh, Vice-President; Ewd. J. Kiest, Secretary and Treasurer), manufacturers of incandescent lamps, 1912-14 Olive street, St. Louis, Mo. P G.

Commercial Electric Co. (Jos. B. Moore, President; Geo. E. Fisher, Secretary; Wm. H. Fitzgerald, Treasurer), electrical supplies and construction, 55 and 57 Gratiot avenue, Detroit, Mich. M F.

Commercial Telephone Co., of Troy (Geo. P. Ide, President; W. C. Humstone, Vice-President; A. N. Belcher, Secretary and Treasurer), Troy, N. Y. G 85.

Complete Electric Construction Co., The (H. K. Thurber, President; Henry E. Hawley, Vice-President; James A. Taylor, Secretary and Treasurer; John A. Seely, General Manager), electrical engineers and contractors, 24 Cortlandt street, New York, N. Y. H 85.

Compton, Alfred G., Professor of Physics College of the City of New York, 17 Lexington avenue, New York, N. Y.

Conant, T. P., Superintendent of Construction United Edison Manufacturing Co., New York, N. Y.

Condict, G. Herbert, General Manager the Electric Car Co. of America, Germantown, Pa.

Condit, E. A., dealer in electric supplies, Marenci, Mich.

Cone, C. H., agent, 108 Adams street, Chicago, Ill. Q 85.

Cone, E. G. (Gong Bell Manufacturing Co.), East Hampton, Conn.

Conklin, A. H. (Gong Bell Manufacturing Co.), East Hampton, Conn.

Connecticut Electric Co., contractors and dealers in electrical supplies and owners of central station under same name, 247 Bank st., Waterbury, Conn. W W G.

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Connecticut Motor Co., The (Robert E. Dunston, President; Charles D. Smith, Secretary and Treasurer), manufacturers of electric dynamos and motors, Plantsville, Conn. Telegraph address, Southington, Conn. P P G.

Connell, Frederick (W. P. Connell & Sons), Scranton, Pa.

Connell, Wm. (Hunt & Connell), Scranton, Pa.

Connell, W. P., & Sons (W. P. Connell, Frank H. Connell, Frederick Connell), dealers in electric supplies, 118 and 120 Penn avenue, Scranton, Pa. 150.

Connell, W. P. (W. P. Connell & Sons), Scranton, Pa.

Connell, Frank H. (W. P. Connell & Sons), Scranton, Pa.

Consolidated Electric Manufacturing Co. (Wm. Rich, President; P. C. Chandler, Vice-President; A. R. Brown, Manager; C. G. Winter, Treasurer), manufacturers of dynamos and motors, 355 Congress street and 53 Devonshire street, Boston, Mass. T.

Consolidated Electric Motor Co., manufacturers of electric motors, etc., 95 Milk street, Boston, Mass. 44.

Consolidated Electric Storage Co., successors to Julien Electric Co. (Wm. Bracken, President; Pedro G. Salon, Secretary and Treasurer), manufacturers of storage batteries, 120 Broadway, New York, N. Y. 75.

Consolidated Temperature Controlling Co. (C. M. Palmer, President; T. D. Merwin, Secretary; A. B. Robbins, Vice-President; A. C. Paul, Treasurer and Attorney), manufacturers of automatic electric heat regulators, 425 Temple Court, Minneapolis, Minn. G 85.

Converse, C. A., Secretary De Kosenko & Hetherington Manufacturing Co., Philadelphia, Pa.

Cook, Adam, President the Bell Rock Electrical Conductor Co., Malden, Mass.

Cook, C. S., electrical expert, 146 Adams street, Chicago, Ill. 40.

Cook, Prof. C. S., Professor of Physic, N. W. University, Evanston, Ill.

Cook, C. W., Secretary Electric Construction Co., Lawrence, Kan.

Cook, Joseph, & Co., manufacturers of electrical machinery, Atlanta, Ga. 75.

Cook, W. J., Vice-President McGuire Manufacturing Co., Chicago, Ill.

Cooke, Edw. T., Electric Co. (Edward T. Cooke), bell hangers, 112 North 9th street, St. Louis, Mo. B Q.

Cooke. J. H., Secretary and Treasurer Sunbeam Incandescent Lamp Co., Chicago, Ill.

Cooke, Robert A. (Scranton & Cooke), New York City.

Cooley, Charles A., electrician, Hartford, Conn. 75.

Cooley, Geo., bell hanger, 299 Main street, New Britain, Conn. D G.

Coombs, John H., General Manager Electrical Safety Co., Boston, Mass.

Cooper, Mrs. C., bells, etc., Bloomfield avenue, Montclair, N. J. O.

Cooper, J. W., dealer in electrical goods, Medina, N. Y. 75.

Copp, Uriah, Jr., Chicago, Secretary of Jackson Electric Engine and Telephone Co., Boston, Mass.

Cornell, Chas. L, Electrical Engineer Western Engineering Co., Kearney, Neb.

Cornell, C. W., Secretary and Treasurer of Gamewell Fire Alarm Telegraph Co., New York, N. Y.

Cornelius & Rowland, manufacturers of electrical fixtures, 1612 Chestnut street, Philadelphia, Pa. W H.

Cornish, A. A., Secretary of the Fitch Battery and Electric Co., Oneida, N. Y.

Cornish, B. A., Treasurer of the Fitch Battery and Electric Co., Oneida, N. Y.

Cornish Electric Bell Co., The (J. A. Sturtevant, Manager), dealers in bells, etc., 1115 Chestnut street, Philadelphia, Pa. L G.

Corthill, I. L., electrician, 30 Hanover street, Boston, Mass. A A Q.

Cosgrove, W. H., dealer in electric bells, etc., Savannah, Ga. B Q.

Cothren, Wm. H., Superintendent Wiring Department Edison Electric Illuminating Co., New York, N. Y.

Cotton, C. A., Electrician of Safety Electric Light Co., Boston, Mass.

Cotton, C. L., President of Safety Electric Light Co, Boston, Mass.

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Courtenay, Geo. L., Secretary of Vulcanized Fibre Co , Wilmington, Del.

Courtenay, Wm., President of Vulcanized Fibre Co., Wilmington, Del.

Coverley, Geo. T., Vice-President of Massachusetts Auxiliary Fire Alarm Co., Boston, Mass.

Cowan, Lorenzo, Treasurer of Jackson Electric Engine Co., Boston, Mass.

Cowgill, M. J. (Cowgill, Routledge & Co.), Omaha, Neb.

Cowgill, Routledge & Co. (M. J. Cowgill, W. J. Routledge, A. B. C. Denniston), electrical engineers and contractors, corner 15th and Farnam streets, Omaha, Neb. B Q.

Cowles, A. A., Vice-President, Treasurer and Secretary Ansonia Brass and Copper Co., 19 Cliff street, New York.

Cowles, Alfred, President National Subway Co., Chicago, Ill.

Cowles, Alfred H., Technical Adviser to the Cowles Smelting and Aluminum Co., Lockport, N. Y.

Cowles, Eugene H., President the Cowles Electric Smelting and Aluminum Co., Lockport, N. Y.

Cowles Electric Smelting and Aluminum Co., The (Eugene H. Cowles, President; Alfred H. Cowles, Vice-President; Horace W. Power, Secretary; A. T. Osborn, Treasurer), producers of aluminum, Lockport, N. Y. Z Z H.

Cowl, L. Y. (Cowl & Van Denburgh), Chicago, Ill.

Cowl & Van Denburgh (L. Y. Cowl and J. Van Denburgh), electrical supplies and arc and incandescent lighting, 40 and 42 West Quincy st., Chicago, Ill. K K G.

Cox, Henry P., President of Maine Auxiliary Fire Alarm Co., Portland, Me.

Cox, L. N., representing National Electric Manufacturing Co., Washington, D. C. Q 85.

Cox, Samuel E., Secretary and Treasurer Swan Lamp Co., Cleveland, Ohio.

Coyle, James, bellhanger, 2810 Easton avenue, St. Louis, Mo. L F.

Crandell Manufacturing Co., The (W. C. Crandell, Proprietor), manufacturers of electrical goods, 49 South 4th street, Philadelphia, Pa. L F.

Crandell, W. C., Proprietor the Crandell Manufacturing Co., Philadelphia, Pa.

Crane, W. F. D., Electrician and Mechanical Engineer the Electric Car Co. of America, Philadelphia, Pa.

Crawford, A. J., President Kester Electric Co., Terre Haute, Ind.

Crawford, James (Roxbury Electric Co.), Boston, Mass.

Cranston, Henry C., Vice-President Providence Telephone Co., Providence, R. I.

Crepin, E. E., Treasurer of Sperry Electric Co., Chicago, Ill.

Creston Novelty Shop (R. H. Strong), bell hanger, Creston, Ia. A A Q 100.

Crockett, C. H., Electrician Boston Electric Co., Boston Mass.

Crocker, F. B., Vice-President the Crocker-Wheeler Motor Co., New York City.

Crocker, H. H., Treasurer the Crocker-Wheeler Motor Co., New York City.

Crocker-Wheeler Motor Co., The (S. S. Wheeler, President; F. B. Crocker, Vice-President; H. H. Crocker, Treasurer; T. M. Coubray, Secretary and General Sales Agent), manufacturers of electric motors, 14th and Washington streets, New York City. P G.

Crolius, Frank M. (Spiegel, Crolius & Co.), Milwaukee, Wis.

Crommett, F. T., Secretary of Jackson Electric Engine Co., Boston, Mass.

Crosby Electric Co. (Wm. L. Miller, President; Sumner C. Chadwick, Secretary and Treasurer), manufacturers of open circuit batterics, 110 5th avenue, New York, N. Y. 75.

Crosby, T. G., President Belding Motor and Manufacturing Co., Chicago, Ill.

Crosby, Oscar T., Electrical Engineer Weems Electric Railway Co., New York, N. Y.

Cross, Chas. R., Thayer Professor of Physics and Director of the Rogers Laboratory, Mass. Institute of Technology, Boston, Mass.

Crossman, Abner, President Pumpelly Storage Battery and Electric Motor Co., Chicago, Ill.

Crossman, E. R., bell hanger, 17 Church street, Worcester, Mass. B B G.

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Crouch, F. J., dealer in electrical goods, Eugene, Ore. 75.

Crouse, J. B., Vice-President the Standard Carbon Co., Cleveland, Ohio.

Crowdus, W. A., electrical engineer, Nashville, Tenn, 40.

Crowley, H. J., Superintendent Railway Department Thomson-Houston Electric Co., Southern Office,, corner Wall and Loyd street, Atlanta, Georgia.

Crowther, J. M., General Superintendent and Electrician of the Quaker City Electric Co., Philadelphia, Pa.

Culbert Bros. (H. Culbert, J. Culbert), bell hangers, 311 W. 40th street, New York City. S S H.

Culbert H. (Culbert Bros.), New York City.

Culbert J. (Culbert Bros), New York City.

Culbertson, J. N., General Superintendent the Bell Telephone Co., of Buffalo, Buffalo, N. Y.

Culin, F. A., & Sons (W. D. Culin, T. H. Culin), electrical contractors, 55 South 4th street, Philadelphia, Pa. L F.

Culin, T. H. (F. A. Culin & Sons), Philadelphia, Pa.

Culin, W. D. (F. A. Culin & Sons), Philadelphia, Pa.

Culp Electric Brush Co., The (E. J. Brooks, President; L. M. Justin, Vice-President; F. J. Wall, Treasurer), manufacturers of electric brushes, 2 W. 14th street, New York City. 75.

Cumberland Telephone and Telegraph Co. (Jas. E. Caldwell, President and General Manager; J. H. Collins, Vice-President; Jno. Lenihan, Secretary; S. A. Alexander, Treasurer), Nashville, Tenn. X H.

Cuntz, Johannes H., Assistant to President Henry Morton, Stevens Institute of Technology, Hoboken, N. J.

Curtis, Albert H., Treasurer of the Aluminum Battery, Electric Light and Power Co., New York, N. Y.

Curtis, Frank G., Manager of the Aluminum Battery, Electric Light and Power Co., New York, N. Y.

Curtis, H. N., representing Thomson-Houston Electric Co., 115 Broadway, New York, N. Y.

Curtis, J. P., Treasurer of the Automatic Fire Alarm and Extinguisher Co, Boston, Mass.

Curtis, Leonard E., Secretary the United States Electric Lighting Co., 120 Broadway, New York, N. Y.

Curtiss, George F., Electrician Thomson-Houston Electric Co., Lynn, Mass.

Curiven, Samuel, dealer in electric supplies, Salem, Mass. 75.

Currier, Jos. G., bell hanger, 506½ Congress street, Portland, Me.

Curwen, S. H., superintendent of fire alarm, Salem, Mass.

Cushing, John P, & Co., electro machinists, pattern and model makers, 9–23 Knapp street, Boston, Mass. 75.

Cushing, F. W., Secretary Central Electric Co., Chicago, Ill.

Cushman, Holbrook, electrical engineer, 337 W. 22d street, New York, N. Y. 40.

Cutter, George, Manager Great Western Electric Supply Co., Chicago, Ill.

Cutter, Henry B., electrical engineering and construction, 1018 Chestnut street, Philadelphia, Pa. Q 85.

Cutler, Chas. F., President of the Metropolitan Telephone and Telegraph Company, and the New York and Penn. Telephone and Telegraph Company, of New York.

Cutler, E. H., Treasurer and Superintendent of The Elektron Manufacturing Co., Brooklyn, N. Y.

Cutler, Harry H., manufacturer of electrical supplies, Waltham, Mass. 75.

Cutler, H. M., publisher "The Electro-Mechanic," Kansas City, Mo.

Cuttiss, Chas., Electrician for Commercial Cable Co., 3 Broad street, New York, N. Y.

D.

Daft, Leo, electrician, Plainfield, N. J.

Dainz, Chas. A., Superintendent the Cleveland Electrical Manufacturing Co., Cleveland, Ohio.

Dale Manufacturing Co. (John H. Dale, Superintendent), manufacturers of electrical supplies, 90 Fulton street, New York, N. Y. B B G.

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Dallett, Thomas H., & Co., manuf'rs of the Billberg Motor, Philadelphia, Pa. W H.

Dam, A. J., Treasurer of United States Electric Safety Co., New York City.

Dana, R. K., Agent Washburn & Moen Manufacturing Co., 16 Cliff street, New York, N. Y.

Dana, Thos., President Union Glass Co., Boston, Mass.

Danforth, A. H., Great Falls, Mont. 75.

Dangler, D. A., President the Standard Carbon Co., Cleveland, Ohio.

Daniels & Gardner (Rollo C. Daniels and Joshua G. Gardner), representing the Loomis Electric Manufacturing Co., Washington, D. C. Q 85.

Daniels, Rollo C. (Daniels & Gardner), Washington, D. C.

Darche, A. C., Vice-President of Darche Electric Co., Chicago, Ill.

Darche Electric Co. (Geo. C. Darche, President; A. C. Darche, Vice-President; E. T. Darche, Secretary and Treasurer), manufacturers of electric alarm clocks, 35–37 Clark street, Chicago, Ill. 75.

Darche, E. T., Secretary and Treasurer of Darche Electric Co , Chicago, Ill.

Darche, Geo. C., President of Darche Electric Co., Chicago, Ill.

Darr, Francis, General Selling Agent of Brush Electric Co., 53 South Third street, corner Chestnut street, Philadelphia, Pa.

Darrach, Alfred, 49 South 4th street, Philadelphia, Pa.

Daugherty, Jas. L., Manager the Cleveland Electrical Manufacturing Co., Cleveland, Ohio.

Daughaday, Hamilton, Vice-President Electric Date and Time Stamp Co., St. Louis, Mo.

Davenport Electric Supply Co. (F. M. Tillotson), dealers in electrical supplies, 325 Brady street, Davenport, Iowa. B Q 22.

Davenport, George W., General Manager Thomson-Houston International Electric Co., Boston, Mass.

Davidson, J. O., Treasurer Archer Electric Manufacturing Co., Wichita, Kan.

Davidson, W. F., Salesman Thomson-Houston Electric Co., Port Huron, Mich.

Davies, John E., Professor of Physics University of Wisconsin, 523 Carroll street, Madison, Wis.

Davis, A. B., General Manager Viaduct Manufacturing Co., Baltimore, Md.

Davis, A. G., President Viaduct Manufacturing Co., Baltimore, Md.

Davis, Asa G., electrician and engineer, 146 Clifford street, Providence, R. I. 40.

Davis, B. E., Secretary Standard Electrical Works, Cincinnati, Ohio.

Davis, Chas. B., with the Thomson-Houston Electric Co,, 620 Atlantic avenue, Boston, Mass.

Davis, Charles H., electrical engineer, 120 Broadway, New York, N. Y.

Davis, E. H., electrical supplies, Elmira, N. Y., went out of business in May, 1890.

Davis, Henry C., consulting and superintending electrical engineer, 120 Broadway, New York. R R G.

Davis, Isaac H. (Westinghouse, Church, Kerr & Co.), New York and Boston.

Davis, Joseph P., President of Hudson River Telephone Co., New York, N. Y.

Davis, Joseph P., Consulting Engineer Phœnix Construction Co., New York.

Davis, Jos. R., General Manager Pennsylvania Telephone Co., Harrisburg, Pa.

Davis, L. W., Superintendent Queen City Electric Co., Cincinnati, Ohio.

Davis, Melville C. (Davis & Laughton), Boston, Mass.

Davis, Minor M., Assistant Electrician Postal Telegraph Cable Co., 5 Dey street, New York City.

Davis & Laughton (Melville C. Davis, Chas. C. Laughton), electricians, 52 Kilby street, Boston, Mass. D F 17.

Davis, S. A., Secretary Plattsmouth Lamp Manufacturing Co., Plattsmouth, Neb.

Dawn Electric Construction Co. (J. A. McEntee, manager and electrical engineer, J. P. Bell, director and contractor), agents for Mather System and general construction work, 154 La Salle street, Chicago, Ill. 75.

Dawnm, Carl, Secretary of the Aluminum Battery, Electric Light and Power Co., New York, N. Y.

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Day, A. G. (Estate), (Geo. B. Prescott, General Agent), manufacturer of insulated wire and cables, 16 Dey street, New York City.

Dayton, Hall & Avery, dealers in electrical supplies, 294 1st street, Portland, Ore. S S H.

Dean, D. B., Western Representative "Electrical Review" of New York, 61 Metropolitan Block, Chicago, Ill.

Dean, J. H., electrical model maker, 2 Pearl street, Grand Rapids, Mich. 75.

De Celle, W. G., Secretary Northwest Thomson-Houston Electric Co., St. Paul, Minn.

Decker, C. H., Superintendent of Detroit Electrical Manufacturing Co., Detroit, Mich.

Decrow, W. E., Agent Gamewell Fire Alarm Telegraph Co., Rooms 11 and 12, Boylston Building, Boston, Mass.

Degenhardt, F. E., Western Manager Standard Underground Cable Co., 139 Madison street, Chicago, Ill.

De Kosenko & Hetherington Manufacturing Co. (A. G. Hetherington, President; S. De Kosenko, Vice-President; C. A. Converse, Secretary; Wallis Boileau, Treasurer), manufacturers and designers of electroliers, 13th and Hamilton streets, Philadelphia, Pa. S S H.

De Kosenko, S., Vice-President De Kosenko & Hetherington Manufacturing Co., Philadelphia, Pa.

Delafield, A. Floyd, Ph. D., electrical engineer, Noroton, Conn. 40.

De Land, Fred, Western manager the "Electric World," 465 The Rookery, Chicago, Ill.

Delany, Pat. B., electrician, South Orange, New Jersey. 40.

Denio Automatic Alarm Push Button Co., manufacturers of fire alarm attachments for electric push buttons, 620 Atlantic avenue, Boston, Mass. F 85.

Denison, J. F., Electrician with the Audubon Machine Works, New Haven, Conn.

Denison, A. S., dealer in electrical supplies, Watertown, N. Y. C G.

Denning & Logan, builders of electric light and power plants, 63 William street, New York, N. Y.

Dent, Wm., & Son, dealers in electric bells, 81 Washington street, Utica, N. Y. N F.

Denniston, A. B. C. (Cowgill, Routledge & Co.), Omaha, Neb.

Denniston, J. M., Salesman Westinghouse Electric Co., Chicago, Ill.

Denton, James E., Professor of Experimental Mechanics, Stevens Institute of Technology, Hoboken, N. J.

Denz, Leopold, bell hanger, 712 Jefferson street, Burlington, Ia. 100.

Deutsch, Otto, retail dealer in electric supplies, 161 Martin street, Milwaukee, Wis. 75.

Denver Novelty Works (James Morgan, Proprietor), retail dealer in bells, etc., 1420 Lawrence street, Denver, Col. K F.

De Oxidized Metal Co., The (Leonard H. Bacon, President; O. C. Smith, Secretary and Treasurer; W. W. Keys, Superintendent), manufacturers of copper wire, S. W. corner Railroad and West avenues, Bridgeport, Conn. V V H.

Derby, L. A., & Co., manufacturers of electric bells, 10 Middle street, Lowell, Mass. D D F.

Dervis, Edward, representing the North American Construction Co. in Philadelphia, Pa.

De Tample, bell hanger, 101 Clinton street, Buffalo, N. Y. B Q.

Detroit Electrical Manufacturing Co. (W. C. Bennet, President; C. W. Harrah, Secretary and Treasurer; C. H. Decker, Superintendent), manufacturing electricians, 132 to 140 Brush street, Detroit, Mich. F 85.

Detroit Electrical Works (Hugh McMillan, President; W. A. Jackson, Vice-President; Wm. H. Wells, Secretary; L. N. Palmer, Treasurer; F. B. Rae, Electrical Engineer), manufacturers of dynamos, motors and supplies, Seventh and River streets, Detroit, Mich.

Detroit Motor Co. (W. C. Maybury, President; J. Huff Jones, Vice-President; F. A. Blades, Secretary and Treasurer), manufacturers of electric motors, 212 Griswold street, Detroit, Mich. W. G.

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Detroit Trolley Support Co. (R. V. R. Sill, Manager), manufacturers of trolley supports for electric railways, 144 Brush street, Detroit, Mich. 65.

Dewey Corporation, The (E. Laass, Mechanical Engineer and President; M. W. Dewey, Electrician and Vice-President; C. H. Duell, Patent Attorney, Secretary and Treasurer), patents and inventors, corner N. Salina and Willow streets, Syracuse, N. Y. P P G.

Dewey, M. W., Electrician and Vice-President of The Dewey Corporation, Syracuse, N. Y.

Dexter, A. F., Vice-President Belding Motor and Manufacturing Co , Chicago, Ill.

Dey, Anthony, Vice-President of the Norwich Insulated Wire Co., New York, N. Y.

Dey & Triggs, retail dealer in bells, etc., 1030 17th street, Denver, Col. B B F 100.

Dey, C. E. (Dey & Triggs), Denver, Col.

Diamond Glass Co., manufacturers of glass insulators, Royersford, Pa. F 85.

Dickason, L. T., President Chicago Incandescent Lamp Co., Chicago, Ill.

Dickerson, F. B., President Shawham Motor Co., Detroit, Mich.

Dickerson, J. M., editorial staff "Western Electrician," Chicago, Ill.

Dickey, D. D. (**Faraday Carbon** Co.), Pittsburgh, Pa.

Dickey, J. J., Vice-President the Rocky Mountain Bell Telephone Co., Salt Lake City, Utah.

Dickinson, Thos., dealer in electrical instruments, 254 Main street, Buffalo, N. Y. S G.

Dickson, C. T., Treasurer of the City and Suburban Telegraph Association, Cincinnati, Ohio.

Diehl & Co., manufacturers of dynamos and motors, Elizabeth, N. J.

Dill, Enoch, Proprietor Back Bay Electric Co., Boston, Mass.

Dinger, M. H. (Royal Electrical Specialty Co.), New York, N. Y.

Dinnan, John J., bell hanger, 134 Orange street, New Haven, Conn. M G.

District Telegraph and Electric Supply Co. (James P. Langly, President; H. A. Forrest, Secretary; Wm. Lake, Manager), dealers in bells, etc., East Saginaw, Mich. T O.

Dixon, Fred W. (West & Dixon), Boston, Mass.

Doane, S. Everett, Thomson-Houston Electric Co., Swampscott, Mass.

Dodge, W. E , President Ansonia Brass and Copper Co., 19 Cliff street, New York.

Dodsworth, Robert (Robert Dodsworth & Co.), St. Louis, Mo.

Dodsworth, Robert, & Co. (Robert Dodsworth, John W. Holdsworth), bell hangers, 1024 Franklin avenue, St. Louis, Mo. B B F.

Dolbear, Prof. A. E., Electrician New England Port Electric Co., Boston, Mass.

Dole, Charles A., dealer in electric supplies, 2 Smith Block, Bangor, Me. D F.

Dole, F. B., President of New England Printing Telegraph Co., Boston, Mass.

Donaldson, Wm. W., electrical engineer, 215 North Calvert street, Baltimore, Md. 40.

Dorchester, H. S., President of the Rhode Island Protective Co., Providence, R. I.

Doremus, Charles A., M. D., Ph. D., Chemist and Physicist Bellevue Hospital Medical College, College of the City of New York, and American Veterinary College, 92 Lexington avenue, New York, N. Y.

Dore, Joseph P., dealer in mica, 389 River street, Troy, N. Y. 75.

Dorsett, D. H., Manager Dorsett Conduit Co,, 175 Dearborn street, Chicago, Ill.

Doubleday, C. D., representing the North American Construction Co. in New York, N. Y.

Doubleday, H. M., General Superintendent the North American Construction Co., Pittsburgh, Pa.

Douglass, Channel & Chamberlin, dealers in electric supplies, 56 West street, Rutland, Vt. D Q.

Douglass, S. A., Agent in Rhode Island for United Edison Manufacturing Co., Butler Building, Providence, R. I.

Dow, Alex., electrician, 225 Dearborn street, Chicago, Ill. Q 40.

Downs, L. M., General Manager of United States Electric Safety Co., New York City.

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Dowse, W. B., General Superintendent New York Insulated Wire Co., New York.

Doyle, John, dealer in electric motors, 14 Ann street, New York, N. Y. 75.

Drake, Flemon, General Superintendent of the Nebraska Telephone Co., and Vice-President Midland Electric Co., Omaha, Neb.

Drake, John I., electrician, and dealer in electric light and power machinery and supplies, corner Dorrance and Dyer streets, Providence, R. I.; also Manager Russell Electrical Manufacturing Co. K K G 49.

Drake & Underwood, bell hangers, Massillon, Ohio. 75.

Draper, O. N. (O. N. Bender & Co.), Providence, R. I.

Draper, Wm. F., President of Thomson Electric Welding Co., Boston, Mass.

Dresher, Wm. H., Treasurer of the Electric Protection Co., Philadelphia, Pa.

Drew, Charles W. (Francis & Drew), Minneapolis, Minn.

Drew, Geo. H., General Manager the National Electric Construction Co., Boston, Mass.

Driver, James, Foreman United Edison Manufacturing Co., Providence, R. I.

Driver, Wm. R., Treasurer of American Bell Telephone Co.; and New England Telephone and Telegraph Co., Boston, Mass.; and Metropolitan Telephone and Telegraph Co., New York.

Drummond, Josiah H., Portland, Me., Clerk Boston Electric Valve and Motor Co, Boston, Mass.

Dubinski, Benjamin (Dubinski & Cable), St. Louis, Mo.

Dubinski & Cable (Benjamin Dubinski and Paul Cable), electric bells, etc., 907 Pine street, St. Louis. Mo. B Q.

Du Bois, C. H. & Son, experimental electricians, 61 Ann street, New York, N. Y. 40.

Du Bois, Tuthill, electrical contractor, 118 6th avenue, New York City. 75.

Dubuque Electric Works, (E. S. Karoly, Proprietor), Dubuque, Ia. 75.

Dudley, Chas. B., chemist and scientific expert, Pennsylvania R. R. Co., 1219 12th ave., Altoona, Pa.

Duell, C. H., Patent Attorney, Secretary and Treasurer of the Dewey Corporation, Syracuse, N. Y.

Duerr & Rohn (Robert Duerr and George F. Rohn), retail dealers in electrical supplies, 84 Mason street, Milwaukee, Wis. L F.

Duerr, Robert (Duerr & Rohn), Milwaukee, Wis.

Duffie, George C., Treasurer Northwest Thomson-Houston Electric Co., St. Paul, Minn.

Duluth Telephone Co. (H. C. Kendall, President; C H. Grams, Secretary; W. Van Brunt, Treasurer and Manager), Duluth, Minn. F 85.

Dumonlin, L. S, Superintendent of Electric Department West End Street Railway Co., Boston, Mass.

Dumelins, A. L., Electrician the Cincinnati Electric Engine Co., Cincinnati, Ohio.

Dunbar, Geo., & Co. (Frank E. Fitts, Proprietor), dealers in electrical supplies, 74–76 Pearl street, Boston, Mass. 75.

Dunbar, J. K., General Superintendent Southwestern Telegraph and Telephone Co., Austin, Texas.

Dunbar, S. T., dealer in electric belts, Portland, Ore. 75.

Duncan, Dr. Louis, Johns Hopkins University, Baltimore, Md.

Duncan, Nicholas W., Iron City Gas Works.

Duncan, S. A., Pittsburgh, Pa.

Dunlap, G. J. (Royal Electrical Specialty Co.), New York, N. Y.

Dunn, D. W., with Hughes & Gawthrop, Pittsburgh, Pa.

Dunn, Michael (Electric Wire Works Co.), Rome, N. Y.

Dunston, Robert E., President the Connecticut Motor Co., Plantsville, Conn.

Dupem, Angelo R., electrical engineer, 900 Lombard street, San Francisco, Cal. 40.

Dupree Electrical Supply Co. (F. B. Perkins, Proprietor), manufacturers of electric goods, 3 Smith Block, Manchester, N. H.

Duralito Manufacturing Co. (Augustin L. Babbige, President; Fred S. Bryan, Treasurer and Secretary; J. H. Emery, Superintendent; W. S. Hill and L. F. Jordan, Electricians), manufacturers of Duralite electric supplies, 85 Water.

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street, Boston, Mass., controlled by Jordan Train Lighting Co.

Durant, Geo. F., Vice-President of Bell Telephone Co. of Missouri, St. Louis, Mo., and Secretary Law Telephone Co., New York.

Durbarow, A. C., Jr., Business Manager "Western Electrician," Chicago, Ill.

Dustin, C. E., Vice-President the Schuyler Electric Co., Middletown, Conn.

Duty, Wm. A., dealer in supplies, 720 Sansom street, Philadelphia, Pa. 75.

Duvall, T. W. R., President Electrical Construction and Manufacturing Co., Baltimore, Md.

Duxbury, J. W., electrician, 86 Central street, Lowell, Mass. 40.

Dyar, E. D., Treasurer and General Manager of the Black Hills Telegraph and Telephone Co., Dover, Minn.

Dygert, Wells (Buffalo Electric Co.), Buffalo, N. Y.

E.

Eastabrook, W. N., General Manager of New York and Pennsylvania Telephone and Telegraph Co., New York, N. Y.

East Hampton Bell Co., manufacturers of electric bells, East Hampton, Conn. 75.

East Tennessee Telephone Co. (O. F. Noel, President; S. J. Keith, Vice-President; J. W. Hunter, Jr., Secretary and Treasurer), Nashville, Tenn. 75.

Eastern Electric Cable Co., The (Herbert H. Eustis, President and Electrician; Henry A. Clark, Treasurer and General Manager), manufacturers of the "Clark Wire," 61 Hampshire street, Boston, Mass. H 85.

Eastern Electric Light and Storage Battery Co., The, manufacturers of "Sorley" storage battery, 37 Market street, Lowell, Mass. 75.

Eastern Electric Construction Co. (Galen C. Moses, President; F. A. Sawyer, Treasurer), contractors for electric plants, 93 Exchange street, Portland, Me. G 85.

Eastwick, A. E., manufacturer of dynamos and motors, 142 Brush street, Detroit, Mich. Q 85.

Eaton, Chase & Co., manufacturers of electrical supplies, Norwich, Conn. V G.

Eaton, A. K., electrical chemist, 79 Washington street, Brooklyn, N. Y. Q 85.

Eaton, William T., Treasurer Gould-Tisdale Revolving Demaphore Co., So. Boston, Mass.

Eckert, Thomas T., Vice-President of the Gold and Stock Telegraph Co., New York, N. Y.

Eclipse Electric Co. (C. A. Hussey, Secretary), manufacturers of batteries, 148 Greenwich street, New York City. 75.

Eco Magnets Clock Co. (C. A. White, President and General Manager; Geo. B. Fessenden, Treasurer), manufacturers of watchman's clocks, etc., 620 Atlantic avenue, Boston, Mass. F 58.

Economic Electric Manufacturing Co. (Robert Amory, President; Nelson V. Titus, Treasurer; John Vinton, Mechanical Superintendent; J. G. Hubbard, Electrician; Prof. Wm. L. Hooper, Consulting Electrician), manufacturers of electrical appliances, 1 Beacon street, Boston, Mass. W G.

Eddy, Arthur H., President of the Eddy Electric Manufacturing Co., Windsor, Conn.

Eddy, Edward, Vice-President the Carpenter Electric and Storage Co., Denver, Col.

Eddy Electric Manufacturing Co., The (Arthur H. Eddy, President; A. D. Newton, Secretary and Treasurer; Geo. T. Briggs, Electrician), manufacturers of dynamos and motors, etc., Windsor, Conn.

Eddy, Fred P., Secretary of Providence Electric Co., Providence, R. I.

Edes, Edw., Treasurer of Edison General Electric Co., New York, N. Y.

Edison General Electric Co. (Henry Villard, President, J. H. Herrick, Vice-President; A. Marcus, Secretary; F. S. Hastings, Asst. Secretary; Edw. Edes, Treasurer), Parent Co., 44 Wall street, New York, N. Y. X X X H.

Edison Machine Works, The (Thos. A. Edison, President; Chas. Bachelor, Vice-President; W. E. Gilmore, Secretary; John Kruesi, Asst. General

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Manager; James H. Kelley, General Sales Agent, N.Y.), Schenectady, N.Y. H 85.

Edison, Thos. A., President of the Edison Machine Works, Schenectady, N. Y., Edison Lamp Co., Harrison, N. J., and inventor, Orange N. J.

Edgerton, Charles, mechanical engineer, Drexel Building, Philadelphia, Pa. 40.

Edwards & Co. (R. Edwards and A. Langen), manufacturing electricians, 5 and 7 Dey street, New York City. P F.

Edwards, H. M. (Moncrief & Edwards), Brooklyn, N. Y.

Edwards, R. (Edwards & Co.), New York City.

Ege, Charles, bell hanger, 294 Michigan avenue, Detroit, Mich. B B F.

Eichemeyer, J. C., bell hanger, 106 Liberty street, Utica, N. Y. 75.

Eidlitz, Chas. L., Vice-President and Treasurer New York Electric Manufacturing Co., New York City.

Einbigler & Adler (Rudolph Einbigler, Christian Adler), manufacturing electricians, 224 West 27th street, New York. D D F.

Einbigler, Rudolph (Einbigler & Adler), New York.

Eldu, Samuel E., representing Brush Electric Co., Pittsburgh, Pa.

Eldridge, Oliver, First Vice-President Pacific Telephone and Telegraph Co., San Francisco, Cal.

Electric Age, The, published weekly at 5 Dey street, New York.

Electric Cable Construction and Maintenance Co. (Henry Bentley, President; William Carley, Secretary; Samuel B. Huey, Treasurer), manufacturers of electric cables and wire, 107 South Third street, Philadelphia, Pa. F 85

Electric Construction Co. (Ed. Rousell, President; C. W. Cook, Secretary; E. P. Tremper, Treasurer; J. E. Jeffries, Vice-President and Manager), dealers in electrical supplies, Lawrence, Kan. B B Q.

Electric Date and Time Stamp Co. (Wm. H. Stevenson, President; Hamilton Daughaday, Vice-President; H. H. Wernse, Secretary), parent company of the United States, 919 Olive street, St. Louis, Mo. G 57.

Electric Development Co. (Percy T. Morgan, President), developing electrical patents and apparatus on the Pacific Coast, 323 River street, San Francisco, Cal. 65.

Electric Exercising Machine Co. (A. L. Gladwin, President; J. J. Costello, Treasurer), manufacturers of electric exercising machines, 18 School street, Boston, Mass.

Electric Fire Protection Co. (W. A. Simmons, President; H. P. Simmons, Secretary; U. A. Pollard, General Manager; C. W. Wilder, Jr., Treasurer), controlling the Rogers and the Gamewell Auxiliary Fire Alarm Systems for New York and New Jersey, 280 Broadway, New York, N. Y. 51.

Electric Gas Lighting Co., The (Joseph S. Fay, President; Louis W. Burnham, Vice-President; Wm. W. Burnham, Treasurer and Chief Clerk; Geo. A. Parks, Secretary; J. Frank Lang, Corporation Clerk; Thos. W. Lane, Superintendent), manufacturers and dealers in electrical supplies, 195 Devonshire street, Boston, Mass. W G.

Electric Gas Oil Co. (E. P. Nolly, President; L. S. Dumoulian, Treasurer; W. W. Castle, Secretary), manufacturers of gas from oil for lighting, heating and power, using electricity, 27 Sanford street, Springfield, Mass. Q 85.

Electric Law, published by the Fred H. Whipple Co., Detroit, Mich.

Electric Light Oil Co., Market, between 20th and 21st streets, Philadelphia, Pa. 75.

Electric and Machine Co. (John C. Wilson, President and Superintendent, Lowell; M. Palmer, Treasurer), manufacturers of electric apparatus, 71 Sudbury street, Boston, Mass. R G.

Electric Merchandize Co. (W. R. Mason, President; A. H. England, Secretary and Treasurer), manufacturers of electric railway supplies, 11 Adams street, Chicago, Ill. 75.

Electric Mutual Insurance Co. (Stephen E. Barton, President; Everett W. Burdett, Vice-President; Herbert

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H. Fairbanks, Secretary and Treasurer; Wm. Brophy, Chief Inspector), insures electric light and power stations and contents, overhead lines and outside apparatus, 85 Water street, Boston, Mass. 52.

Electric Pad Manufacturing Co., manufacturers of electric medical pads, 318 Fulton street, Brooklyn, N. Y. 66.

Electric Piano Co. (Franklin E. Gregory, President; W. H. Bird, Treasurer; F. W. Bailey, General Manager), manufacturers of pianos with electrical appliances, 180 Tremont street, Boston, Mass. G 85.

Electric Protection Co., of Philadelphia, The (Chas. M. Swain, President; Wm. Carley, Secretary; Wm. H. Dresher, Treasurer), manufacturers of the plush protector, 107 South Third street, Philadelphia, Pa. S G.

Electric Road Carriage Co., manufacturers of electric motors for carriages, tricycles, etc., 95 Milk street, Boston, Mass. 44.

Electric Service Co. of Buffalo (C. M. Morse, General Manager), dealers in Johnson heat regulating apparatus, 228 Pearl street, Buffalo, N. Y.

Electric Signal Manufacturing Co., manufacturers of electric signals, 45 Broadway, New York, N. Y. 75.

Electric Street and Station Indicator Co. (Lucius H. Foot, President; Alex. G. Hawes, Vice-President; Louis A. Robertson, Secretary; Bank of California, Treasurer), manufacturers of electric indicators, 5 Sutter street, San Francisco, Cal. 75.

Electric Supply and Manufacturing Co. (J. C. O'Neil), manufacturers and dealers in electric supplies, 113 Public Square, Cleveland, Ohio. L G.

Electric Supply Co., The (F. S. Terry, Manager), manufacturers and dealers in electrical supplies, 171 Randolph street, Chicago, Ill. W W H.

Electric Supply Co. of Syracuse, The (M. J. Myers, President; M. Jervis Myers, Manager), 105 South Warren street, Syracuse, N. Y.

Electric Time Advertising Co. (John A. Severens, Manager; C. N. Whitting, Secretary and Treasurer), dealers in electric clocks for advertising, 146 Franklin street, Boston, Mass. T.

Electric Wire Works Co. (Michael Dunn, Mrs. Fanny Spargo), 411 West Embargo street, Rome, N. Y. B F.

Electrical Accumulator Co., manufacturers of storage batteries, 44 Broadway, New York. 120.

Electrical Appliance Manufacturing Co., The (L. S. White, President; A. C. Mintie, Secretary and Treasurer), manufacturers of electric lighting gas burners, etc., Waterbury, Conn. M Q.

Electrical Construction Co., The (Vincent Harter, President and Treasurer; G. A. Harter, Secretary and Manager), 175 Randolph street, Chicago, Ill. E G.

Electrical Construction Co. (A. D. Campbell), electricians, 208 Griswold street, Detroit, Mich.

Electrical Construction and Manufacturing Co. (T. W. R. Duvall, President; C. W. Huntington, Manager; John K. How, General Superintendent), contractors for electric street railways, 108 North Eutaw st., Baltimore, Md. L F.

Electrical Engineer, The (George M. Phelps, President; Joseph Wetzler, Secretary; T. Commerford Martin, Vice-President; Frank R. Colvin, Treasurer and Business Manager), 150 Broadway, New York City.

Electrical Engineering Co., manufacturing electric dynamos, motors and apparatus, 21 and 23 Spear street, San Francisco, Cal. 75.

Electrical Engineer and Supply Co. (F. H. Leonard, Jr., Electrician and Manager), engineers and contractors, South Salina street, Syracuse, N. Y. W H.

Electrical Glass Corporation (Hon. E. B. Milliken, Treasurer and General Manager), manufacturers of electrical glass supplies, 20 Federal street, Boston, Mass. Factory, Sandwich, Mass. 75.

Electrical Invention Co. (see Hecks' Induction Light and Motor Co., Detroit, Mich.)

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Electrical Novelty Co. (R. S. Howland, President; F. N. Bassett, Secretary and General Manager), manufacturers of telegraph instruments, Montclair, N. J. 75.

Electrical Novelty Works, manufacturers of dynamos, Atlanta, Ga. 75.

Electrical Review, published weekly at 13 Park Row, New York.

Electrical Safety Co. (John H. Combs, General Manager; D. J. Cartright, Electrician; H. E. Townsend, Treasurer; Woodward Emery, Secretary), manufacturers of Cartright Electrical Safety Appliances, 146 Franklin street, Boston, Mass. S G.

Electrical World, The, published weekly at 167 Times Building, New York.

Electric Automatic Transit Co. (Julian J. Chisolm, President; O. J. Smith, Vice-President; Wm. M. Pegram, Secretary; Alex. Brown, Treasurer; David G. Weems, Manager), manufacturers electric express appliances, 6 South street, Baltimore, Md. 75.

Electro-Dynamic Co., The (W. W. Griscom, President; D. H. Bates, Vice-President and General Manager; L. T. Paul, Secretary and Treasurer), Philadelphia, Pa. Y H.

Electric-Mechanic, published semi-monthly at Kansas City, Mo.

Electro-Medical Battery Co. (D. O. Roberts, Treasurer), manufacturers of pocket batteries, 128 W. Main street, Kalamazoo, Mich. N F.

Elektron Manufacturing Co., The (Wm. D. Sargent, President; John A. Barrett, Vice-President; John C. Rielly, Secretary; E. H. Cutler, Treasurer and Superintendent), manufacturers of electric motors, dynamos, etc., 79 and 81 Washington st., Brooklyn, N. Y. W H.

Elgin Telephone Co., manufacturers of electrical goods, Elgin, Ill. 75.

Eline, J. Frank, dealer in supplies, 206 East Baltimore street, Baltimore, Md. 75.

Ellacutt, J. P., mechanical engineer, 192 Madison street, Chicago, Ill. 40.

Ellicott, James M., bell hanger, 202 Pleasant street, Boston, Mass. T.

Elliott, J. T., Treasurer the Schuyler Electric Co., Middletown, Conn.

Elliott, Russell C., Manager of American Acoustic Telephone Co., Boston, Mass.

Elliott, Theo. A., mechanical engineer, 202 Main street, Buffalo, N. Y. 40.

Ellison, W. P., President of Boston Electric Time Co., Boston, Mass.

Ellsworth, Emory A., Mechanical Engineer, Main street, Holyoke, Mass. Y O.

Elm City Electric Co. (Rodger Blish, Chas. Hilton), manufacturers of bells, gongs, etc., 342 State street, New Haven, Conn. 75.

Elmer, William, Jr., undergraduate in electrical engineering, Princeton University, Princeton, N. J.

Elwood, Alfred (Elwood & Brien), Rochester, N. Y.

Elwood & Brien (Alfred Elwood, Joseph A. Brien), bell hangers, 37 Market street, Rochester, N. Y. V G.

Ely, C. Upham, Agent for the Brooklyn Battery, 35 Dey street, New York City. P P G.

Embler, A. H., Secretary and Treasurer of the Southern New England Telephone Co., New Haven, Conn.

Emery Electric Mining Machinery Co. (B. F. Stewart, President; J. L. Ludwig, Secretary and Treasurer; Cyrus Emery, Electrician), 145 Van Buren street, Chicago, Ill. 75.

Emery, J. H., Superintendent of Duralite Manufacturing Co., Boston, Mass.

Emery, Woodward, President of National Telephone Manufacturing Co., Boston, Mass.

Emory, J. C., & Co., manufacturers of electric belts, Cincinnati, Ohio. 75.

Emmert, John S., President and Treasurer of Mackintosh Battery and Optical Co., Chicago, Ill.

Empire City Electric Co. (O. E. Madden, President; E. F. Gilliland, Vice-President; Frederick Lines, Secretary; W. F. Black, Treasurer; H. G. Madden, Manager), manufacturers of electrical supplies, 15 Dey street, New York, N. Y. W G.

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Empire State Telephone and Telegraph Co., The (H. L. Storke, President; D. A. Smith, Vice-President; George Underwood, Secretary; James Seymour, Jr., Treasurer), 102-104 Genesee street, Auburn, N. Y. Y H.

Engle, Robert H., Electrician Latham & Bros., Philadelphia, Pa.

English, N. A., President Archer Electric Manufacturing Co., Wichita, Kan.

England, A. H., Secretary and Treasurer Electric Merchandise Co., Chicago, Ill.

Entz, Justus B., Treasurer of the Waddell-Entz Electric Co., Brooklyn, N. Y.

Equitable Electric Railway Construction Co., The (A. H. Chadbourne, President; W. A. Stadelman, Vice-President and Chief Engineer; Wm. Hazelton, Secretary and Treasurer), electric railways of any system, 416, 418 and 420 Walnut street, Philadelphia, Pa. R G.

Erickson, Erick E. (Erickson Patent Insulating Coupling Co.), Boston, Mass.

Erickson Patent Insulating Coupling Co., (Erick E. Erickson, Winthrof Thayer), manufacturers of combination joints, 8 Oliver street, Boston, Mass. 80.

Euclid Avenue Electrical Co. (H. Spiegel), dealers in electrical supplies, 1188 Euclid avenue, Cleveland, Ohio. B G.

Eureka Electric Co. (C. C. Southard, President; Chas. M. Lyman, Secretary; F. E. Southard, Treasurer and General Manager), manufacturers of incandescent electric lights, 18 Broadway, New York City. V G.

Eureka Tempered Copper Co. (Alfred Short, President and General Manager), manufacturers of tempered copper, electric commutators, North East, Pa. S G.

Eustis, Herbert H., President and Electrician of the Eastern Electric Cable Co., Boston, Mass.

Evans, David E., Superintendent Baxter Electric Motor Co., Baltimore, Md.

Everingham, J. J., representing Thomson-Houston Electric Co., Omaha, Neb.

Excelsior Electric Co. (H. D. Fuller, President and Treasurer; H. A. Smith, Secretary), manufacturers of electric apparatus, 115 Broadway, New York City. 75.

F.

Facer, Wilson E., & Co. (Wilson E. Facer), electrical machinist, 145 Bank street, Cleveland, Ohio. P G.

Fairclough, W. H., Agent United Edison Manufacturing Co., The Rialto, Chicago, Ill.

Fairbanks, Geo. O., General District Agent Westinghouse Electric Co., 146 Adams street, Chicago, Ill.

Fairbanks, Herbert H., Secretary and Treasurer of Electric Mutual Insurance Co., Boston, Mass.

Fairbanks, W. P., Treasurer of Standard Electric Co., St. Johnsburg, Vt.

Fairchilds, Charles, Proprietor of Martin-Wilson Automatic Fire Alarm Co., Boston, Mass.

Faraday Carbon Co. (Jno. F. Arm-strong, D. D. Dickey, Geo. F. Porter), manufacturers of electric light carbons and battery material, 3213-3223 Spruce street, Pittsburgh, Pa. 75.

Farmer, J. (Skeen & Farmer), St. Louis, Mo.

Farmer, Prof. Moses G., electrician and inventor, Eliot, Me.

Farnham, Frank E., Treasurer and Secretary Franklin Electrical Co., Peabody, Mass.

Farnham, Isaiah H., Electrician N. E. Telephone and Telegraph Co., Boston, Mass.

Farnsworth, F. B., President Audubon Machine Works, New Haven, Conn.

Farnsworth, J. E., Austin, Texas, General Auditor Northwestern Telephone Exchange Co., Minneapolis, Minn.

Farquhar, C. S. (Chandler & Farquhar), Boston, Mass.

Faucett, W. N., bell hanger, 25 Cornelia street, Brooklyn, N. Y. K K F.

Fourot, B. C., President the Silvey Electric Co., Lima, Ohio.

Fay Gas Fixture Co. (Eph. Catlin, President; J. H. Wyeth, Vice-President; L. Wetteroth, Treasurer, Superintendent and Secretary), dealers in electric fixtures, 1126 Olive street, St. Louis, Mo. S G.

Fay, Joseph S., President of the Electric Gas Lighting Co., Boston, Mass.

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Feavons, Geo. H., Attorney for Southern Bell Telephone and Telegraph Co., New York, N. Y.

Feger, Isaac N. (Peoria Electrical Supply Co.), Peoria, Ill.

Fenn & Braxmar (C. G. Braxmar, W. A. Fenn), electrical contractors, 47 Cortlandt street, New York, N. Y. E F.

Fenn, W. A. (Fenn & Braxmar), New York City.

Ferguson, L. A., Electrician Chicago Electric Co., 139 Adams street, Chicago, Ill.

Ferguson, N. R., Treasurer Missouri and Kansas Telephone Co., Kansas City, Mo.

Fernald, G. M. D., bell hanger, 78 Cornhill street, Boston, Mass. B Q.

Ferris, Edward, Vice-President the River and Rail Electric Co., Denver, Col.

Ferris, E. L., President of the Wenstrom Consolidated Dynamo and Motor Co., Baltimore, Md.

Ferry, Francis, & F. S., dealers in bells, etc., Cincinnati, Ohio. 75.

Fessenden, Geo. B., Treasurer Eco Magneto Clock Co., Boston, Mass.

Fetheralf, Chas. E., electrician, Palestine, Ohio. 40.

Fichter, C. (C. Fichter & Co.), Syracuse, N. Y.

Fichter, C., & Co. (C. Fichter), bell hanging, 1117 N. Salina street, Syracuse, N. Y. L F.

Fidelity Carbon Manufacturing Co. (L. B. Stephenson, President; Harry Baum, Treasurer; S. G. Booker, Secretary and Manager), manufacturers of electric light carbons, 2134–2140 Dekalb street, St. Louis, Mo. F 85.

Fiebig, Charles, bell hanger, 1615 3d avenue, Rock Island, Ill. A A Q.

Fiebig, J. P., Vice-President Bundy Manufacturing Co., Binghampton, N. Y.

Field, C. J., President of Field Engineering Co., New York, N. Y.

Field Engineering Co. (C. J. Field, President; E. F. White, Secretary and Treasurer), consulting and contracting engineers, 15 Cortlandt street, New York City. V G.

Field, C. R. (India Rubber and Gutta Percha Insulating Co.), New York, N. Y.

Field, E. B., Treasurer and General Manager, Denver, Col.

Field, Stephen D., inventor, Stockbridge, Mass.

Fielding, Frank E., chemist and assayer, Virginia City, Nev.

Finch, G. W., Proprietor Escanaba Telephone Line, Escanaba, Mich. T O.

Firth, Frank J., Secretary and Treasurer, Novelty Electric Co., Philadelphia, Pa.

Fisher Electric Co. (S. R. Mumford, President; C. H. Medoy, Vice-President; W. E. Reilley, Secretary; Frank E. Fisher, Treasurer; H. Marks, Superintendent), electrical machinery and supplies, 183, 185, 187 Larned st., W. Detroit, Mich. M M F.

Fisher, Frank E., Treasurer Fisher Electric Co., Detroit, Mich.

Fisher, Geo. E., Secretary Commercial Electric Co., Detroit, Mich.

Fisher, George H., Manager the W. C. Vosburg Manufacturing Co., Chicago, Ill.

Fisher, H. A., manufacturer of electric gas lighting apparatus, 61 Central square, Lynn, Mass. 75.

Fisher, Ira, bell hanger, Massillon, Ohio. 75.

Fisk, Frederic D., Selling Agent for Economic Electric Manufacturing Co., Boston, Mass.

Fiske, Henry G., Electrician Croton Magnetic Iron Mines, 45 E. 22d street, New York, N. Y.

Fitch, D. H., President of the Fitch Battery and Electric Co., Oneida, N. Y.

Fitch Battery and Electric Co. (D. H. Fitch, President; A. A. Cornish, Secretary; B. A. Cornish, Treasurer); electrical manufacturers, Oneida, N. Y. R G.

Fitchburg Electrical Supply Co. (F. E. Bowker, J. A. Holland), dealers in general electrical supplies, 162 Main street, Fitchburg, Mass. 75.

Fitts, Frank E., Proprietor of Geo. Danbar & Co., Boston, Mass.

Fitzgerald, Wm. H., Treasurer Commercial Electric Co., Detroit, Mich.

Flack, T. H., & Son, dealers in supplies, etc., 60 W. Genesee street, Buffalo, N. Y. L G.

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Flack, J. Day, assistant electrician in charge of tests, Edison Lamp Co., Harrison, N. J.

Fleming, Walter M., M. D., Vice-President Averell Insulating Conduit Co., 45 Broadway, New York, N. Y.

Fleming, Wilfred H., with Howard Fleming, Park avenue, Plainfield, N. J.

Fletcher, A. C., Treasurer Fletcher & Fletcher Electric Co., Cleveland, Ohio.

Fletcher & Fletcher Electric Co. (H. S. Gray, secretary; A. C. Fletcher, treasurer), manufacturing electricians, 18 South Water street, Cleveland, Ohio. M G.

Flora, E. E., President Franklin Electric Co., Chicago, Ill.

Floyd, Edward D., Purchasing Agent Thomson-Houston Electric Co., Chicago, Ill.

Fogg, Charles H., mechanical engineer, 75 State street, Boston, Mass. Q 40.

Foot, Lucius H., President of Electric Street and Station Indicator Co., San Francisco, Cal.

Foote, Allen R., Secretary and Treasurer National Electric Light Association, 18 Cortlandt street, New York.

Foote Bros., dealers in electric supplies, Bath, Me. F 85.

Foote, C. W. (Cleveland Construction Co.), Cleveland, Ohio.

Footner, H. J., Treasurer of the Shaver Corporation, New York City.

Force & Fingle, dealers in electric bells, 428 8th avenue, New York. B F.

Ford, A. Ward, Secretary Bundy Manufacturing Co., Binghampton, N. Y.

Ford, C. F., Secretary of W. F. Ford Surgical Instrument Co., New York, N. Y.

Ford, W. F., Surgical Instrument Co. (Henry S. Iselin, President; W. F. Ford, Vice-President and General Manager; C. F. Ford, Secretary; Cyrus Field Judson, Treasurer), sole agents for the Gibson Storage Battery for Medical and Surgical Purposes, 315 5th avenue, New York, N. Y. 75.

Ford, H. F., Vice-President and General Manager of W. F. Ford Surgical Instrument Co., New York, N. Y.

Ford, W. S., Superintendent the Colorado Telephone Co., Denver, Col.

Ford's Machine Works, dealers in bells, etc., Cincinnati, Ohio. 75.

Forrest, H. A., Secretary of District Telegraph and Electric Supply Co., and Hartford Electrical Co., East Saginaw, Mich.

Forsaith Electrical Machine Co., manufacturers of electric light machinery, Manchester, N. H. 75.

Foss, Alvin O., electrical engineer, Box 50, Salem, N. J. 20.

Foster, C. C., Secretary and Treasurer of the McCreary Electrical Specialty Co., New York, N. Y.

Foster, G. W., Dallas, Texas, Superintendent North Texas Division of Southwestern Telegraph and Telephone Co., Austin, Texas.

Foster, Henry (Foster & Terrington), Brooklyn, N. Y.

Foster, Horatio A., electrical engineer, 45 East 25th street, New York, N. Y. 40.

Foster, Ira A., Secretary of the Holtzer-Cabot Electric Co., Boston, Mass.

Foster & Terrington, bell hangers, 198 11th street, Brooklyn, N. Y. M G.

Foster, Wm., President of the McCreary Electrical Specialty Co., New York, N. Y.

Fattrell Insulated Wire Co., manufacturers of insulated wires, 81 South 15th street, Philadelphia, Pa. 75.

Fox, John M., Electrician United Edison Manufacturing Co., New York, N. Y.

Fowler, Thomas L, General Manager of the Aluminum Brass and Bronze Co., 53 Chambers street, N. Y.

Fraleigh, E. M., electrician, 26 Church street, New York. 40.

Francis & Co. (Wm. Francis, Proprietor), dealers in electric supplies, 343 Main street, Hartford, Conn. V G.

Francis & Drew (Edward R. Francis, Charles W. Drew), electrical and chemical engineers, and manufacturers and dealers in electrical supplies, 424 Nicollet ave., Minneapolis, Minn. F 85.

Francis, Edward R. (Francis & Drew), Minneapolis, Minn.

Francis, W. H., Treasurer and Secretary of New England Wiring and Construction Co., Boston, Mass.

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Francis, Wm., Proprietor Francis & Co., Hartford, Conn.

Frank, Martin, bell hanger, 358 Seventh street, Dubuque, Ia. B Q 100.

Franke, Wm., bell hanger, 318 Grand ave., Milwaukee, Wis. B Q.

Franklin Electrical Co. (O. W. Norcross, President; Frank E. Farnham, Treasurer and Secretary; J. W. Upp, Superintendent and Electrician), manufacturers of dynamos and motors, Peabody, Mass. R G 26.

Franklin Electric Co. (E. E. Flora, President; P. R. Hoy, Secretary and Treasurer), manufacturers of electrical specialties, 120 Randolph street, Chicago, Ill. 75.

Franklin Electric Appliance Co., The (F. M. Sparrow, Proprietor), dealers in electrical specialties, 141 Milk street, Boston, Mass. 75.

Franklin Electric Supply Co., dealers in electrical supplies, 37 East Long street, Columbus, Ohio. Q 85.

Franklin Flint Glass Works, manufacturers of electric globes, Howard and Oxford streets, Philadelphia, Pa. 75.

Frazer, A. S., Treasurer the Miami Telephone Co., Xenia, Ohio.

Frazier, E. S., Secretary and Treasurer the Hinckley Manufacturing Co., Aurora, Ill.

Freeman, Dr. Frank L., electrical expert, 931 F street, Washington, D. C. G 85.

Freedman, William H., Honorary Fellow in Electrical Engineering, Columbia College, New York, N. Y.

Frei, Gustav A., Superintendent the Buckeye Electric Co., Cleveland, Ohio.

French, Fred E., Electrician the Ball Electric Light Co., Boston, Mass.

French, H. M., Treasurer the Ball Electric Light Co., 63 Equitable Building, Boston, Mass.

Frey, A. C., Secretary of National Electric Co., Limited, Pittsburgh, Pa.

Frisbie, E. L., Jr., Secretary Benedict & Burnham Manufacturing Co., Waterbury, Conn.

Fritz & Co., retail dealers in bells, etc., 624 17th street, Denver, Col. A Q.

Frockman, Ernst A., manufacturer of telegraph instruments, 904 North 4th street, St. Louis, Mo. B Q.

Froelich Bros., bell hangers, 1 Lux Block, Utica, N. Y. 75.

Froelich, Charles (Froelich Bros.), Utica, N. Y.

Froelich, Henry (Froelich Bros.), Utica, N. Y.

Fuller Bros. & Co., manufacturers and dealers in iron and steel, 139 Greenwich street, New York City. V G.

Fuller, H. D., President and Treasurer Excelsior Electric Co., New York City.

Fulton, Robert, dealer in medical batteries, 375 Baker street, Detroit, Mich. B B F.

G.

Gage, Thos. H., dealer in electrical supplies, 27 Circle street, Indianapolis, Ind. B B F.

Gallagher, R. E., Secretary New York Insulated Wire Co., New York.

Galpin, Samuel W., bell hanger, 15 Newton place, Fitchburg, Mass. Q 85.

Galloup, J. O., dealer in electric apparatus, Battle Creek, Mich. B B F.

Gamewell Auxiliary Fire Alarm Co. (A. P. Sawyer, President; Joseph W. Stover, Vice-President; Geo. W. Piper, Treasurer; Geo. F. Milliken, General Manager), manufacturers of fire alarm apparatus, 19 Pearl street, Boston, Mass. H 85.

Gamewell Fire Alarm and Telegraph Co. (Jos. W. Stover, President; W. H. Woolverton and D. H. Bates, Vice-Presidents; C. W. Cornell, Secretary and Treasurer; J. N. Gamewell, General Superintendent), manufacturers of fire and police telepraph, 1½ Barclay street, New York, N. Y. X H.

Gamewell, J. N., General Superintendent of Gamewell Fire Alarm Telegraph Co., New York, N. Y.

Gannett, Wm. F., Jr. (Swarts & Gannett), Providence, R. I.

Ganzenmueller, Adolph, bell hanger, 177 E. 74th street, New York City. B B Q.

Gardner, Joshua G. (Daniels & Gardner), Washington, D. C.

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Garfield, E. I., Secretary Thomson-Houston International Co., Boston, Mass.

Garnier, A., Jr., President of Missouri Valley Electric Co., Kansas City, Kan.

Garnier, J., Treasurer of Missouri Valley Electric Co., Kansas City, Kan.

Garratt, Allan V., care New York Electric Club, New York.

Garrett, Henry, Electrical Engineer and Contractor, Dallas, Tex. P G.

Gaston, Charles, Belmont, New York, N. Y. 75.

Garver, M. M., 645 High street, Newark, N. J. 75.

Garvin Machine Co., The, manufacturers of machinists' tools, 7-9 Laight street, New York City.

Gaskill, D. W., dealer in poles, Blackstone, Mass. F 85.

Gate City Electric Co. (J. W. Mason, President; G. W. Johnston, Secretary and Treasurer), electrical supplies, 522 Delaware street, Kansas City, Mo. N G.

Gate City Electric Supply and Construction Co. (B. Hollis, General Manger), electrical engineers and contractors, 27 Marietta street, Atlanta, Ga.

Gates, J. J., Secretary and General Manager Perkins Electric Lamp Co., Hartford, Conn.

Gavit, W. E., Treasurer Tucker Electrical Construction Co., New York, N. Y.

Gawthrop, E. B. (Hughes & Gawthrop), Pittsburgh, Pa.

Gaylord, F. L., & Co., manufacturers of battery lines, Ansonia, Conn. 75.

Gaynor Electric Co., manufacturers of fire alarms, Louisville, Ky. W H.

Gemmell, R. B., President Kansas Electric Co., Topeka, Kan.

George, James N., electrician, 37 Pearl street, Boston, Mass. 42.

German Electric Bell Co., manufacturers of electric medical belts, 318 Fulton street, Brooklyn, N. Y. 66.

Germania Electric Co., manufacturers of incandescent lamps, P. O. Box 3068, Boston, Mass. G 85.

Gethin, Ed. B., Secretary and Treasurer the Cleveland Motor Co., New York City,

Gethins Electrical Manufacturing Co. (Charles A. Prince, President; James Milton Hall, Treasurer; Benjamin F. Messervey, General Manager; James L. Gethins, Electrician), manufacturers of batterics, etc., 620 Atlantic avenue, Boston, Mass. W. H.

Gethins, James L., Electrician Gethins Electrical Manufacturing Co., Boston, Mass.

Geyer, Prof. Wm. E., Stevens Institute of Technology, Hoboken, N. J.

Ghegan Manufacturing Co., manufacturers of electric water alarms, 216 Market street, Newark, N. J. 75.

Giant Electric Motor Co., The (Nathan Abbott, President; Eliot Glover, Treasurer and General Manager; J. H. Baris, Secretary; W. H. Chapman, Electrician), manufacturers of electric motors; factory, Portland, Me.; office, 27 School street, Boston, Mass. P. G.

Gibson, Alfred C., proprietor Gibson Gas Fixture Works, Philadelphia, Pa.

Gibson, Chas. D. P., President and General Manager of Gibson Electric Co., New York, N. Y.

Gibson Electric Co. (Chas. D. Gibson, President and General Manager; Adam Carr, Vice-President; C. McCass Smith, Secretary and Treasurer), manufacturers of storage batteries, 74 Cortlandt street, New York, N. Y. 75.

Gibson Gas Fixture Works (Alfred C. Gibson, Proprietor), manufacturers of electric fixtures, 1426 Callowhill street, Philadelphia, Pa. W H.

Gifford, H. N., General Manager and Assistant Treasurer the Ohio Valley Telephone Co , Louisville, Ky.

Gilbert, Fitch, Vice-President National Electric Manufacturing Co., Eau Claire, Wis.

Gilbert, C. S., Superintendent Kansas City Electrical Works, Kansas City, Mo.

Giles, D. C., electrical engineer, 326 E. Water street, Elmira, N. Y. 40.

Giles, W. A., Secretary and General Manager of Mill and Mine Electric Equipment Co., Pittsburgh, Pa.

Giles, Wm. B , Treasurer of Mill and Mine Electric Equipment Co., Pittsburgh, Pa.

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Gill & Co., manufacturers of electric globes, York and Thompson streets, Philadelphia, Pa. W H.

Gill & Co. (Wm. Gill and A. N. Pratt), bell hangers, 499 DeKalb avenue, Brooklyn, N. Y. E G.

Gill, E. R., General Manager and Electrician of Gill-Alexander Manufacturing Co., Kansas City, Mo.

Gill, R. E., Superintendent of Cleveland Gas Fixture Co., Cleveland, Ohio.

Gill, Wm. (Gill & Co.), Brooklyn, N. Y.

Gill-Alexander Electro Manufacturing Co. (Robert Gillham, President; W. W. Alexander, Vice-President; M. C. Gillham, Secretary and Treasurer; E. R. Gill, Manager and Electrician), manufacturers of signals and switches, Gibraltar Building, Kansas City, Mo. 75.

Gillett, Francis M., President of the Stuttgart Improvement Co., Little Rock, Ark.

Gillett, W. J., President of Marvin Electric Drill Co., Syracuse, N. Y.

Gillham, M. C., Secretary and Treasurer of Gill-Alexander Manufacturing Co., Kansas City, Mo.

Gilliland Electric Co. (Robert, Ezra T. and James F. Gilliland), manufacturers of electrical supplies, Adrian, Mich. V G.

Gilliland, E. T., Vice-President Empire City Electric Co., New York, N. Y.

Gilliland, Ezra T. (Gilliland Electric Co.), Adrian, Mich.

Gilliland, James F. (Gilliland Electric Co.), Adrian, Mich.

Gilliland, Robert (Gilliland Electric Co.), Adrian, Mich.

Gillham, Robert, President of Gill-Alexander Electric Manufacturing Co., Kansas City, Mo.

Gilman, E. R., President Northwest Thomson-Houston Electric Co., St. Paul, Minn.

Gilman, H. K., General Manager Northwest Thomson-Houston Electric Co., St. Paul, Minn.

Gilmartin, E., dealer in poles, 31 William street, Fort Wayne, Ind. R R G.

Gilmore, W. E., Secretary of the Edison Machine Works, Schenectady, N. Y.

Gilmore, W. S., Treasurer of Hall Signal Co., New York, N. Y.

Gieven, W. H., Electrician, 78 Wieting Block, Syracuse, N. Y. 75.

Gisborne, Hartley, C. E., District Superintendent and Electrician Government Telegraph Service of Canada, Qu'Appelle Station, Assa., N. W. Territory, Canada.

Gladwin, A. L., President of Electric Exercising Machine Co., Boston, Mass.

Glasier, A. A., bond department Thomson-Houston Electric Co., Boston, Mass.

Glass, Dr. James, manufacturer of medical batteries, 1210 Filbert street, Philadelphia, Pa. L F.

Glazin, D. J., Secretary the Schuyler Electric Co., Middletown, Conn.

Gleason, E. P., Manufacturing Co. (E. P. Gleason, President; E. G. Alber, Vice-President; F. W. Belmont, Secretary; J. C. Granger, Treasurer), manufacturers of electric fixtures, 133 Mercer street, New York, N. Y. W W G.

Gleason, E. P., President of E. P. Gleason Manufacturing Co., New York, N. Y.

Gleaser, A., manufacturer of electrical goods, 385 Kent avenue, Brooklyn, N. Y. M G.

Gleeson, F. W., & Co., consulting electrical engineers and manufacturers of electrical instruments and supplies, 62 Sudbury street, Boston, Mass. E G.

Glidden, Chas. J., Lowell, Mass., Secretary and Treasurer the Cleveland Telephone Co., Cleveland, Ohio.

Globe Carbon Co., manufacturers of carbon points, Cleveland, Ohio. P P G.

Globe Gas Light Co. (Francis W. Lawrence, President; Sumner Wheeler, Treasurer; D. W. Lee, Agent), manufacturers and contractors for street lamps and lighting, 79 Union street, Boston, Mass. F 85.

Glover, Eliot, Treasurer and General Manager the Grant Electric Motor Co., Boston, Mass.

Godbe, M. C., Vice-President United States Electric Co., Salt Lake City, Utah.

Goebel, Robert P., retail dealer in electrical supplies, 55 Oneida street, Milwaukee, Wis. 75.

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Godfrey, E. W., electric light and mechanical superintendent of the Holtzer-Cabot Electric Co., Boston, Mass.

Godfrey, J. W., General Manager New York Insulated Wire Co., New York.

Godwin & Co., bell hangers, 1560 Ninth avenue, New York. Q.

Goehst, J. H., Superintendent Construction Chicago Edison Co., Chicago, Ill.

Goldmark, Chas. J., Electrical Engineer with Field Engineering Co., 15 Cortlandt street, New York.

Goldschmidt, E. W., Electrician Western Electric Co., Chicago, Ill.

Gold and Stock Telegraph Co., The (Norvin Green, President; Thos. T. Eckert and John Van Horne, Vice-Presidents; A. R. Brewer, Secretary; A. H. Rochester, Treasurer); New York, N. Y. X X H.

Goldsworthy, J. E., Vice-President of Boston Electric Time Co., Boston, Mass.

Gong Bell Manufacturing Co. (H. H. Abbe, E. G. Cone, E. C. Barton, A. H. Conklin), manufacturers of electric bells, East Hampton, Conn. 75.

Good, William G., Acting Auditor the Metropolitan Telephone and Telegraph Co., New York, N. Y.

Goodenow, Geo. I., Manager Kalamazoo Electric Supply Co., Kalamazoo, Mich.

Gooding, W. S., Secretary and Treasurer Belding Motor and Manufacturing Co., Chicago, Ill.

Goodman, H. E., Secretary and Treasurer Sperry Electric Mining Co., Chicago, Ill.

Goodrich Hard Rubber Co., manufacturers of hard rubber for electrical purposes, Akron, Ohio. Z H.

Goodspeed, J. H., President of the Pulsion Telephone Co., Boston, Mass.

Gordon, Dexter, Proprietor Providence Architectural Iron and Metal Works, Providence, R. I.

Gordon, W. S., President Sunbeam Incandescent Lamp Co , Chicago, Ill.

Gordon, W. H., & Co. (W. H. Gordon, G. Ferris), dealers in electric light and power supplies, 115 Broadway, New York, N. Y. 75.

Gordon, W. H. (W. H. Gordon & Co.), New York, N. Y.

Gorman, J. J., President of Manhattan Electric Supply Co., New York, N. Y.

Gottschalk, Fred P., bell hanger, 42 Dennis street, New Brunswick, N. J. A A Q.

Gould, C. W., dealer in electrical supplies, Clinton, Mass. 75.

Gould, Chas. W., 2 Wall street, New York, N. Y. 75.

Gould-Tisdale Revolving Semaphore Co. (James E. Whitney, President; Wm. T. Eaton, Treasurer), manufacturers of electric signals, 445 Broadway, South Boston, Mass. 75.

Gould & Watson Co., The (Wm. P. Gould, President; Geo. B. Watson, Treasurer), miners and dealers in mica and manufacturers of moulded mica insulators, 35 Hartford street, Boston, Mass. V G.

Gould, Wm. P., President the Gould-Watson Co., Boston, Mass.

Gove, C. G., Secretary of the City and Suburban Telegraph Association, Cincinnati, Ohio.

Graf, F. P., Secretary the Silvey Electric Co., Lima, Ohio.

Grah, Emil, dealer in bells, etc., Toledo, Ohio. L F.

Graham, John H. (John H. Graham & Co.), New York City.

Graham, John H., & Co. (John H. Graham and W. A. Graham), manufacturing agents electric bells, 113 Chambers street, New York City. V G.

Graham, W. A. (John H. Graham & Co.), New York City.

Grams, C. H., Secretary Duluth Telephone Co., Duluth, Minn.

Grant, J. B., President the Carpenter Electric Storage Co., Denver, Col.

Graphite Electric Co., The (Robert Kinstry, President; James A. Randall, Vice-President; A. A. Boutelle, Secretary; M. L. Williams, Treasurer), manufacturers of electrical appliances, Detroit, Mich. 61.

Gray, H. S., Secretary Fletcher & Fletcher Electric Co., Cleveland, Ohio.

Gray, John W., & Co. (J. W. Gray, President), Agents Hartford Rubber Works Co., manufacturing electric rubber tape,

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272 Asylum street, Hartford, Conn. S S H.

Gray, R. J., with "Electric Age," 5 Dey street, New York.

Gray, Thos. (New England Pottery Co.), East Boston, Mass.

Gray, Thos. K. (The Iron City Electrical Supply Co.), Pittsburgh, Pa.

Gray, W. N., Agent Mather Electric Co., 12 Chamber of Commerce, Cincinnati, Ohio. 40.

Great Western Electric Supply Co. (George Cutter, Manager), dealers in general electrical supplies, 190 Fifth avenue, Chicago, Ill. W H.

Greeley, E. S., & Co., The (E. S. Greeley, President and Treasurer; E. S. Riggs, Assistant Treasurer; J. W. Sands, Secretary), manufacturers and dealers in electrical supplies, 5 & 7 Dey street, New York City. Z H.

Greeley, E. S., President and Treasurer the E. S. Greeley & Co., New York City.

Green, Charles E., dealer in bells, etc., 556 Main street, Worcester, Mass. B G.

Green, Geo. E., President Bundy Manufacturing Co., Binghamton, N. Y.

Green, Norvin, President of the Gold and Stock Telegraph Co., New York, N. Y.

Green, Thos. G., electrician, Minneapolis, Minn. 40.

Greenwood, M., President California Electrical Works, San Francisco, Cal.

Gregory, Chas. E., Manager Sales Department Sperry Electric Co., Chicago, Ill.

Gregory, Franklin E., President of Electric Piano Co., Boston, Mass.

Gregory, Geo. W., Treasurer of the Municipal Signal Co., Boston, Mass.

Gregory, J. P., Agent Union Glass Co., Boston, Mass.

Grier, Thos. G. (National Engineering Bureau), Chicago, Ill.

Griffin, C. M., & Bro., manufacturers of lightning arresters, Kansas City, Kan. 75.

Griffin, Captain Eugene, Manager Railroad Department Thomson-Houston Electric Co., Boston, Mass.

Griffin, R. B., Secretary and Treasurer Baxter Electric Motor Co., Baltimore, Md.

Griggs, Arthur B., electric promoter, Young's Hotel, Boston, Mass. 75.

Griscom, W. W., President the Electro-Dynamic Co., Philadelphia, Pa.

Grey Dynamo Electric Machine Co. (Wm. G. Lewis, Birmingham, President; S. S. Bucklin, Providence, Secretary and Treasurer; Josuah Grey, Superintendent and General Manager), manufacturers of dynamos, motors, etc., 15 Chardon street, Boston, Mass. 19.

Grey, Josuah, Superintendent and General Manager Grey's Dynamo Electric Machine Co., Boston, Mass.

Groom, L. J., bell hanger, 1014 3d avenue, New York, N. Y. D G.

Grove Electric Co., experimenting with meter, 1406 Chestnut street, Philadelphia, Pa. Q 85.

Grower, George G., Electrician and Chemist Ansonia Brass and Copper Co., Ansonia, Conn.

Grunow, Wm., electrical and experimental engineer, 204 East 43d street, New York, N. Y. 40.

Guion, R. L., retail dealer in electric bells, batteries, etc., 214 West Water street, Elmira, N. Y. B Q.

Gutman, Ludwig, Electrical Engineer with Fort Wayne Electric Co., Fort Wayne, Ind.

Gwynne, N., dealer in bells, etc., Omaha, Neb. Q.

H.

Habirshaw, W. B. (India-Rubber and Gutta-Percha Insulating Co.), New York, N. Y.

Hackenberg, H. E., Secretary the National Carbon Co., Cleveland, Ohio.

Hackenthal, W. (A. Barthemann, Manager), manufacturer and importer of Professor Avons' Electric Current Counter, 21 Beekman street, New York City.

Hage, Jacob, bell hanger, 1018 Vine street, Philadelphia, Pa. B F.

Hagan, W. E., electrical expert, 219 River street, Troy, N. Y. 40.

Haggerty, Geo. A., bell hanger, 808 3d avenue, New York City. P G.

Hagne, C. I. (New Haven Insulated Wire Co.), New Haven, Conn.

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Haig, Andrew H., mechanical engineer and draughtsman, Philadelphia, Pa. 40.

Haight, E. G., President Baxter Electric Motor Co., Baltimore, Md.

Haines, Hon. W. T., Secretary and Treasurer of Butterfield & Mitchell Electric Cooking and Heating Co., Waterville, Me.

Hainski, W. G. (New Jersey Electrical Co.), Newark, N. J.

Hale, B. S., & Son (Wm. Bickford, President; J. B. Hale, Vice-President; O. H. Carpenter, Treasurer; Chas. A. Clark, Manager), manufacturers of insulated wire, 107 Madison street, Malden, Mass. Y G.

Hall, Edwin H., Assistant Professor of Physics Harvard College, Cambridge, Mass.

Hale, J. B., Vice-President of B. S. Hale & Son, Malden, Mass.

Haley, C. S., Special Agent of Thomson-Houston Electric Co , Boston, Mass.

Hall, A. W., General Manager of Hall Signal Co., New York, N. Y.

Hall, Edward, Secretary of the Stuttgart Improvement Co., Little Rock, Ark.

Hall, Edward J., Vice-President and General Manager of the Bell Telephone Co. of Buffalo, Buffalo, N. Y.

Hall, Geo. G., Vice-President of the Miami Telephone Co., Xenia, Ohio.

Hall, James Milton, Treasurer of Gethins Electrical Manufacturing Co., Boston, Mass.

Hall, Lewis, Treasurer of Union Glass Co., Boston, Mass.

Hall Signal Co. (Wm. P. Hall, President; W. S. Gilmore, Treasurer; A. W. Hall, General Manager; S. Marsh Young, General Agent), manufacturers of electric railway signals, 50 Broadway, New York, N. Y. 75.

Hall, Thos., manufacturing electrician and optician, 19 Broomfield street, Boston, Mass. S G.

Hall, Wm. Jr., dealer in annunciators, Dayton, Ohio. B Q.

Hall, Wm. L., Secretary and Treasurer of the Troy Electric Dynamo Co., Troy, N. Y.

Hall, Wm. P., President of Hall Signal Co., New York, N. Y.

Halm, W. G., Vice-President Perkins Electric Lamp Co., Hartford, Conn.

Halliday, W. H., bell hanger, 130 Front street, Hartford, Conn. B F.

Hallowell, A. R., Treasurer and Secretary of Sherman Electric Storage Equipment Co., Boston, Mass.

Halsey, E. C., Secretary and Treasurer National Electrical Protector Co., New York.

Halsey, William B., Inspector Postal Telegraph Cable Co., New York, N. Y.

Halstead, J. B. (Royal Electrical Specialty Co.), New York, N. Y.

Ham, Benjamin A., President American Conduit and Construction Co., Jamaica Plain, Boston, Mass.

Hambler, E. S., Treasurer of American Electric Register Co., Boston, Mass.

Hamblett, G. H., representing Chas. A. Schieren & Co., 110 High street, Boston, Mass.

Hamblet, James, Manager Time Service Western Union Telegraph Co., 195 Broadway, P. O. Box 3393, New York.

Hamlin, C. J., with E. Baggott, Chicago, Ill.

Hamill, S. M., Jr., Secretary Brush Electric Co., 36 Union Square, New York.

Hamilton Electrical Works, dealers in electrical supplies, 100 State street, Albany, N. Y. P P G.

Hamilton, E. E , Auditor the Central District and Printing Telegraph Co., Pittsburgh, Pa.

Hamilton, Geo. A., Electrician Western Electric Co., 22 Thames, corner Greenwich street, New York, N. Y.

Hamilton, Wm. H., electrician, 100 State street, Albany, N. Y. 40.

Hammer, W. J., electrical engineer, 533 Temple Court, New York. 40.

Hammitt, W. A., mechanical engineer, 18 Cortlandt street, New York. 40.

Hammond, George O., Secretary the Fred H. Whipple Co., Detroit, Mich.

Hammond, W. J., manufacturer of dynamos and lamps, 100 Wood street, Pittsburgh, Pa. 24.

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Hampton, W. G., Secretary United Electric Co., Salt Lake City, Utah.

Hanchetts, W. D., Secretary of the Singer Fire Alarm Co., Buffalo, N. Y.

Hanna, T. S., Superintendent of Laminar Fibre Goods Co., Boston, Mass.

Hanaford, F. A., Superintendent of Construction of the Pulsion Telephone Co., Boston, Mass.

Hanson, Webber & Dunham, dealers in electric supplies, 71 Main street, Waterville, Me. P P G.

Happoldt, M. C., manufacturers of electric cut out for gas lighting, 33 Weybossett street, Providence, R. I. 41.

Hardy, James (Robertson Lead Incasing Co.), Brooklyn, N. Y.

Hartford Electrical Co. (J. P. Langley, President; H. A. Forrest, Secretary), dealers in bells, etc., East Saginaw, Mich. 62.

Harmount, G. A., Manager Monitor Electric Co., Chicago, Ill.

Harrah, C. W., Secretary and Treasurer of Detroit Electrical Manufacturing Co., Detroit, Mich.

Harris, C. O. (Clower & Harris), Dallas, Texas.

Harris, Henry H., Assistant Secretary and Treasurer, Providence, R. I.

Harris, T. Wm , & Co. (T. William Harris, Edward D. Bolton), engineers and contractors, 44 Broadway, New York. L. F.

Harris, T. Wm. (T. Wm. Harris & Co.), New York City.

Harrison, Charles K., President the Automatic Switch Co., Baltimore, Md.

Hart, L. H., Manager New England branch office of the "Electrical World," 8 Cook Building, Boston, Mass.

Hartford Dynamic Co., The (C. W. Mead, President; H. M. Linnell, General Manager), contractors and experts for steam and electric plants on street railroads, 253 Main street, Hartford, Conn., and 45 Broadway, New York. S G.

Hartford, R. F. (Dier, Hartford & Mitchell), Chattanooga, Tenn.

Harter, G. A., Secretary and Manager Electrical Construction Co., Chicago, Ill.

Harter, Vincent, President and Treasurer Electrical Construction Co., Chicago, Ill.

Hartwell, Chas. E., Vice-President Troy Electric Dynamo Co., Troy, N. Y.

Harvey, Wirt B., 43½ Madison street, Memphis, Tenn. 75.

Haskins, C. C., City Electric Light Inspector, City Hall, Chicago, Ill.

Haskins, Carye D., Electrician Thomson-Houston Electric Co., Lynn, Mass.

Haskins, C. H., Vice-President Wisconsin Telephone Co., Milwaukee, Wis.

Haskins, Charles H., Electrician with Western Electric Co., New York, N. Y.

Hasson, W. F. C., Assistant Engineer U. S. N., Instructor Johns Hopkins University, Baltimore, Md.

Hastings, F. S., Assistant Secretary of Edison General Electric Co., New York, N. Y.

Hatch, E. B., Secretary of the Johns Pratt Co., Hartford, Conn.

Hatch, M. E., President of Waters Electric Time Switch Co., Brockton, Mass.

Hatzel & Buehler (J. C. Hatzel, Jos. Buehler), Agents for Detroit Motors, 29 W. 26th street, New York, N. Y. K K G.

Hatzel, J. C. (Hatzel & Buehler), New York, N. Y.

Hauber, George, bell hanger, 602 Jefferson street, Burlington, Iowa. G 100.

Hawes, Alex. G., Vice-President of Electric Street and Station Indicator Co., San Francisco, Cal.

Hawkeye Electric Manufacturing Co. (M. L. Marks, President; Lee E. Cole, Secretary; Frank Thone, Electrician; Wm. Bowen, General Manager), manufacturers of the Thone system of electric dynamos and motors. V H.

Hawks, H. C., representing the North American Construction Co. in Boston, Mass.

Hawley, Henry E., Vice-President of the Complete Electric and Construction Co. and Safety Insulated Wire and Cable Co., New York, N. Y.

Hawley, Samuel B., New York Agent for the Aluminum Brass and Bronze Co., 53 Chambers street, New York City.

Hayden, H. H., President National Electric Manufacturing Co., Eau Claire, Wis.

Hayden, M. M., Manager of the Law Telephone Co., New York, N. Y.

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Hayes, W. C., Treasurer the National Carbon Co., Cleveland, Ohio.

Haynes, G. D. (Proprietors G. D. Haynes & Co.), Boston, Mass.

Haynes, G. D., & Co. (G. D. Haynes, Proprietor), manufacturers and dealers in electric lighting apparatus, 149 Congress street, Boston, Mass. Q.

Hays, Gilbert A. (the Iron City Electrical Supply Co.), Pittsburgh, Pa.

Hazelton (3), Wm., Secretary and Treasurer the Equitable Electric Construction Co., Philadelphia, Pa.

Hazazer & Stanley, manufacturers of electric bells, 84 Frankfort street, New York.

Healy, Clarence L., Superintendent and Electrician Commercial Telegram Co., 18 Broadway, New York City.

Healy, P. F. (Central City Electric Co.), Syracuse, N. Y.

Heavenrich, S., Vice-President Pumpelly Storage Battery and Electric Motor Co., Chicago, Ill.

Heath, Laban & Co., Selling Agents of the Boston Electric Valve and Motor Co., Boston, Mass.

Hebard, Geo. W., President the United States Electric Lighting Co., 120 Broadway, New York City.

Hecht, F. A., Secretary and Treasurer National Subway Co., Chicago, Ill.

Hedge, J. F., Jr. (Hedge & Wells), Providence, R. I.

Hedge & Wells (J. F. Hedge, Jr., H. H. Wells), dealers in electrical supplies, 146 Westminster street, Providence, R. I. E G.

Heilman, Donald B., Johnstown, Pa. 75.

Heinrich, Richard O., Demonstrator in Electrical Engineering and Physics Lehigh University, South Bethlehem, Pa.

Heisler Electric Light Co., manufacturers of the Heisler electric lighting apparatus, St. Louis, Mo. (Owned by the United Gas Improvement Co., of Philadelphia.)

Hellwig, F., bell hanger, corner Hamilton and Fulton streets, Albany, N. Y. D F.

Helmold, Henry, bell hanger, 1101 Tremont street, Boston, Mass. 75.

Hemmel, A. E., & Co., bell hanger, 1727 9th avenue, New York. G.

Henderson, Albert H. (Ries & Henderson), 45 Chamber of Commerce, Baltimore, Md.

Henderson, W. B., Secretary and Treasurer of Yowell Electric Med. Co., Dallas, Texas.

Henshaw, Frederica V., Assistant Electrician "C. & C." Electric Motor Co., 402 Greenwich street, New York, N. Y.

Henthorn, John T. (Remington & Henthorn), Providence, R. I.

Hering, Carl, consulting electrical engineer, 386 Spring Garden street, Philadelphia, Pa.

Herrick, C. H., Secretary of Wright Electrical Engineer Co., Boston, Mass.

Herrick, J. H., Vice-President of Edison General Electric Co., New York, N. Y.

Herrick, Myron T., President Swan Lamp Co., Cleveland, Ohio.

Herron, J. W., Vice-President Standard Electrical Works, Cincinnati, Ohio.

Herzog, Dr. F. Benedict (Herzog Teleseme Co.), 30 Broad street., New York, N.Y.

Herzog, Philip, Secretary and Treasurer the Herzog Teleseme Co., of New York State, New York City.

Herzog Telescme Co., The, of New York State (F. Benedict Herzog, President and Vice-President; Philip Herzog, Secretary and Treasurer), 30 Broad street, New York City. 75.

Hetherington, A. G., President De Kosenko & Hetherington Manufacturing Co., Philadelphia, Pa.

Hetty, Louis B., contractor for electrical house furnishings, 126 Eddy street, San Francisco, Cal. D Q.

Hewins, Col. E. H., General Manager Union Electric Car Co., Boston, Mass.

Hicks Induction Light and Motor Co. (T. H. Hicks, President; Homer Pennock, Vice-President; S. O. Johnson, Secretary and Treasurer), owner of the inventions of T. H. Hicks, Seventh and Abbott streets, Detroit, Mich. 60.

Hicks, T. H., President Hicks Induction Light and Motor Co., Detroit, Mich.

Hicks, T., bell hanger, Toronto, Ont. D F.

Higgins Bros. & Co. (C. E. Higgins and W. D. Higgins), general agents in New

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York for the Sprague Electric Railway and Motor Co., Buffalo office, 202 Main street, Buffalo; Albany office, 88 State street, Albany, N. Y. N G.

Higgins, E. E. (Higgins Bros. & Co), Buffalo, N. Y.

Higgins, W. D. (Higgins Bros. & Co.) Buffalo, N. Y.

Hildebrand, H. H., dealer in electric belts, Portland, Ore. Q 85.

Hildreth, W. H., General Manager of Massachusetts Auxiliary Fire Alarm Co., Boston, Mass.

Hill, E. H., Secretary and Manager Pumpelly Storage Battery and Electric Motor Co., Chicago, Ill.

Hill, H. C., Secretary the Rocky Mountain Bell Telephone Co., Salt Lake City, Utah.

Hill, Warren S., manufacturer of electrical specialties, 133 Oliver street, Boston, Mass. R G.

Hill, Zeph T., Secretary the Colorado Telephone Co., Denver, Col.

Hillman, E. B., Manager Royal Electric Co., Peoria, Ill.

Hills, L. H., Special Agent Thomson-Houston Electric Co., Chicago, Ill.

Hilton, Charles (Elm City Electric Co.), New Haven, Conn.

Himmer & Anderson Dry Battery Co. (Vitalis Himmer, Electrician; Dr. Anderson, Chemist), manufacturers chemically restorable dry batteries, 20 Vesey street, New York, N. Y. 75.

Himmer, Vitalis, Electrician of Himmer & Anderson Dry Battery Co., New York,

Hinckley Manufacturing Co., The (J. R. Tucker, President; Wynn Meredith, Vice-President and Electrician; E. S. Frazier, Secretary and Treasurer; C. C. Hinckley, Superintendent and General Manager), manufacturers of electric supplies and storage batteries, Aurora, Ill. P G.

Hinckley, C. C., Superintendent and General Manager the Hinckley Manufacturing Co., Aurora, Ill.

Hind, W. R., dealer in electric supplies, Atchison, Kan. B B G.

Hinds, Chas H., manufacturer of frictional electric machines, 418 West 27th street, New York, N. Y. 75.

Hitchcock, E. A., President the Bell Telephone Co. of Missouri, St. Louis, Mo.

Hitchcock, Geo. E., President of Massachusetts Auxiliary Fire Alarm Co., Boston, Mass.

Hitt, Adrian, electrician, Anderson, Indiana. Q.

Hitt, W. I., Secretary Chicago Copper Refining Co., Chicago, Ill.

Hixson, H. R., electrical supplies, 180 Adams street, Chicago, Ill. Q 85.

Hizham, D., electrical engineer, 60 W. Newton street, Boston, Mass. 40.

Hobday, Thos. W., mechanical engineer, 40 Kilby street, Boston, Mass. 40.

Hockhausen, William, Electrician the Excelsior Electric Co., 196 Willoughby street, Brooklyn, N. Y.

Hoddick, F. C., General Manager Black Rock Carbon Co., Buffalo, N. Y.

Hodgdon, Geo., bell hanger, 592 Congress street, Portland, Me. 75.

Hodgkins, H. C., C. E. (Moffett, Hodgkins & Clarke), Syracuse, N. Y.

Hodnit, John, electrician, 519 Elm street, St. Louis, Mo. A Q.

Hodson, E. (Hodson & McNally), New York City.

Hodson & McNally (E. Hodson and H. McNally), bell hangers, 2710 10th avenue, New York, N. Y. D G.

Hoefer, Ernest, Vice-President and Manager of the Illinois Electric Material Co., Chicago, Ill.

Halding, E. G., dealer in bells, etc., Kimball Block, Salt Lake City, Utah. B Q.

Holdreze, S. L., Electrician of the Johnson Electric Supply Co., Boston, Mass.

Holdsworth, John W. (Robert Dodsworth & Co.), St. Louis, Mo.

Holland, J. A. (Fitchburg Electrical Supply Co.), Fitchburg, Mass.

Hollings, R., & Co., manufacturers of electroliers, 547 Washington street, Boston, Mass. V G.

Hollis Bros., dealers in electric supplies, Atlanta, Ga. K K F.

Hollis, B., General Manager Gate City Electric Supply and Construction Co., Atlanta, Ga.

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Holman, S. W. (Electrical Engineering Co., Boston, Mass.), Professor of Physics Massachusetts Institute of Technology.

Holmes, Booth & Haydens (C. N. Wayland, President; Thos. B. Kent, Vice-President; Geo. H. Benham, Secretary; C. N. Wayland, Treasurer; N. L. Adams, Manager), manufacturers of insulated wire, 25 Park Row, New York, N. Y. Z H.

Holmes, C. E., Superintendent Cassidy & Son Manufacturing Co., New York City.

Holmes Electric Protector Co., manufacturers of burglar alarms, 518 Broadway, New York. 75.

Holtzer-Cabot Electric Co., The (Charles W. Holtzer, President; Geo. E. Cabot, Treasurer; Ira A. Foster, Secretary), manufacturers and dealers in electrical supplies and contractors of the Edison Illuminating Co., 111 Arch street, Boston, Mass. G 85.

Holtzer, Chas. W., President of the Holtzer-Cabot Electric Co., Boston, Mass.

Hood, William, Agent Electrical Accumulator Co., 502 Phœnix Building, Chicago, Ill.

Hooper, Prof. Wm. L., Consulting Electrician Economic Electric Manufacturing Co , Boston, Mass.

Hooper, Smith & Co., Agents Detroit Motors, Washington, D. C. Q 85.

Horn, Brannen & Forsythe, manufacturers of electroliers, Philadelphia, Pa. S S H.

Harne, F. W., Railway Department Thomson-Houston Electric Co., Chicago, Ill.

Homann Model Works, manufacturers of electrical apparatus, Cincinnati, Ohio. L F.

Hopkins, J. H , Traveling Salesman for St. Louis Electrical Supply Co., 408 N. 8th street, St. Louis, Mo.

Horton, E. J., Assistant Manager of the River and Rail Electric Co., New York,

Hoskin, John, electrical engineer, 308 Walnut street, Philadelphia, Pa. 40.

Houghton, Hiram, Leeds, Mass., General Manager Boston Electric Valve and Motor Co., Boston, Mass.

Houston, Prof. Edwin J., 1521 Mt. Vernon street, Philadelphia, Pa.

Houteling, Virginia W., bell hanger, 1628 Columbia avenue, Philadelphia, Pa. 75.

How, H. J., Secretary Novelty and Electric Co., Memphis, Tenn.

How, John K., General Superintendent Electrical Construction and Manufacturing Co., Baltimore, Md.

Howard, Charles T., Secretary and Treasurer Providence Telephone Co., Providence, R. I.

Howard, H. A., Manager New England office of "C. & C." Electric Motor Co., 63 Oliver street, Boston, Mass.

Howard, Henry, President Rhode Island Telephone and Electric Co., Providence, R. I.

Howard, J. H., Vice-President of the Tropical American Telephone Co., Boston, Mass.

Howe, F. F. (Orr & Howe Electric Co.), Pittsburgh, Pa.

Howe, Percival C., Electrician and Mechanical Engineer, also Manager King Philip Electric Co., Bristol, R. I.

Howell, John W., Electrician Edison Lamp Co., Harrison, N. J.

Howland, C. H., Electrician of Massachusetts Auxiliary Fire Alarm Co., Boston, Mass.

Howland, R. S., President of the Electrical Novelty Co., Montclair, N. J.

Hoy, P. R., Secretary and Treasurer Franklin Electric Co., Chicago, Ill.

Hubbard, J. G., Electrician Economic Electric Manufacturing Co., Boston, Mass.

Hubbard, M. G., Jr., Mechanical Engineer McGuire Manufacturing Co., Chicago, Ill.

Huckins, P. S. (P. S. Huckins & Co.), Boston, Mass.

Huckins, P. S., & Co. (P. S. Huckins), dealers in poles, 45 Killey street, Boston, Mass. F 85.

Hudson, John E., President of Southern Bell Telephone and Telegraph Co., New York, and General Manager American Bell Telephone Co., Boston, Mass.

Hudson, John H., President Pacific Telephone and Telegraph Co., San Francisco Cal.

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Hudson River Telephone Co. (Joseph P. Davis, President; H. L. Storke, Secretary and Treasurer; A. B. Uline, Vice-President and General Manager), 18 Cortlandt street, New York, N. Y. 75.

Huey, Arthur S., representing United Edison Manufacturing Co., Minneapolis, Minn.

Hury, Samuel B., Treasurer of the Electric Cable Construction and Maintenance Co., Philadelphia, Pa.

Hughes, C. C. (Hughes & Gawthrop), Pittsburgh, Pa.

Hughes, C., electrician, 808 Shonnard street, Syracuse, N. Y. 75.

Hughes, Edward C., bell hanger, 22 Pleasant street, Providence, R. I. B B G.

Hughes & Gawthrop (C. C. Hughes and E. B. Gawthrop), electricians and contractors, 712 Lewis Block, Pittsburgh, Pa. M F.

Hughes & Keith, Sanitary Supply Co., The, dealers in gas and electric light fixtures, 1625 Curtis street, Denver, Col. V H 5.

Humbird, Jas. S., President of the North American Construction Co. and Asst. General Manager the Westinghouse Electric Co., Pittsburgh, Pa.

Humstone, W. C., Vice-President Commermercial Telephone Co., of Troy, N. Y.

Hunt, Alex. E. (Hunt & Connell), Scranton, Pa.

Hunt & Connell (Alex. E. Hunt and Wm. Connell), dealers in electrical supplies, 434 Lackawanna avenue, Scranton, Pa. R R G 150.

Hunter, A. W., dealer in electric light fixtures, 12 Bank street, North Adams, Mass. N G.

Hunter, Jas. H. (the Iron City Electrical Supply Co.,) Pittsburgh, Pa.

Hunter, J. W., Jr., Secretary and Treasurer of East Tennessee Telephone Co., Nashville, Tenn.

Hunter, Rudolph M., mechanical and electrical engineer, 926 Walnut street, Philadelphia, Pa. 40.

Huntington, C. W., Manager Electrical Construction and Manufacturing Co., Baltimore, Md.

Hurd, Joseph, bell hanger, 1024 Carpenter street, Philadelphia, Pa. 75.

Hurlbert, C. P., with E. Baggott, Chicago, Ill.

Hussey Battery Co., manufacturers of batteries, 144 Greenwich street, New York, N. Y. W G.

Hussey, C. A., Secretary of Eclipse Electric Co., New York City.

Hutchins, E. A., Secretary and Manager Archer Electric Manufacturing Co., and President Archer Electric Belt Co., Wichita, Kan.

Hutchinson, C. F., General Superintendent New England Printing Telegraph Co., Boston, Mass.

Hutchinson, Cary T. (Sprague Electric Railway and Motor Co.), New York, N. Y.

Hutchinson, Geo. W., Secretary and Treasurer of the Standard Electric Time Co., New Haven, Conn.

Hyatt, H. S., manufacturers of insulating pins, Waynesville, N. C. 75.

Hyde, H. S., Vice-President of New England Telephone and Telegraph Co., Boston, Mass.

Hylan, T. F., manufacturer of electric supplies, Stamford Conn. 75.

I.

Ide, Geo. P., President Commercial Telephone Company, of Troy, N. Y.

Ihlder, John D., Electrical Engineer with Asterheld & Eickemeyer, Yonkers, N. Y.

Illinois Anglo-American Storage Battery Co., The (J. B. McDonald, President; B. W. May, Secretary), manufacturers of storage batteries, 177 La Salle street, Chicago, Ill. W H.

Illinois Electric Material Co., The (H. S. Winston, President and Treasurer; Ernest Hoefer, Vice-President and Manager; Ernest L. Clark, Secretary), electric light and power supplies, 341 Rookery Building, Chicago, Ill. R R G.

Imi Electric Bell Co. (Chas. F. Sinclair, President and Treasuerr; S. J. Sinclair, Secretary), manufacturers of door bells, 809 Chicago Opera House, Chicago. P P 65.

Imported Patented Porous Battery Co., manufacturers of batteries. 75.

India-Rubber & Gutta-Percha Insulating Co. (C. R. Field, W. B. Habinshaw),

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manufacturers of insulated wire, 159 Front street, New York, N. Y.

d'Infreville, Geo., Electrician for Western Union Telegraph Co., 110 Liberty street, New York, N. Y.

Ingham, L. W., President of the Black Hills Telegraph and Telephone Co., Dover, Minn.

International Porte Electric Co. (John T. Williams, President; Frank Lawton, Secretary; David O. Williams, Treasurer; W. Y. Phillips, Superintendent), manufacturers of electrical apparatus for transmission of mail, 254 Pearl street, New York, N. Y. 75.

Interior Conduit and Insulation Co. (Edward H. Johnson, President; S. Bergmann, Vice-President; W. A. Willard, Secretary and Treasurer), manufacturers of interior conduits, 16 Broad street, New York. W G.

Iowa Union Telegraph Co. (James Thompson, President; George W. Cable, Vice-President; A. F. Cutter, Secretary; E. S. Carl, Treasurer), Davenport, Iowa. G 85.

Ireland, Francis M., representing "Electric Age," 85 Commercial Bank Building, Chicago, Ill.

Irish, W. E., President of the United Electric Co., Cleveland, Ohio.

Iron City Electrical Supply Co., The (Gilbert A. Hays, James H. Hunter, Thomas K. Gray), electrical engineers and contractors, 59 4th avenue, Pittsburgh, Pa. P F.

Irving, A., Superintendent Southwestern Electrical Engineering Co., St. Louis, Mo.

Iselin, Henry S., President of W. F. Ford Surgical Instrument Co., New York, N. Y.

Ives, Edward B., Lieutenant U. S. A., electrical engineer, 47 Barclay street, New York, N. Y.

J.

Jackson, C. A., Treasurer Jackson Electric Engine and Telephone Co., Boston, Mass.

Jackson, C. H., President the National Conduit Manufacturing Co., New York City.

Jackson, Dugald C. (Sprague Electric Railway and Motor Co.), New York, N. Y.

Jackson Electric Engine Co. (Robert Parkin, President; Lorenzo Cowan, Treasurer; F. T. Crommett, Secretary; Wm. Coffee, Electrician), manufacturers of motors, 257 Washington street, Boston, Mass. 75.

Jackson Electric Engine and Telephone Co. (Uriah Copp, Jr., Chicago, Secretary; C. S. Jackson, Boston, Treasurer; Wm. Chaffee, Electrician; Geo. S. Chadman, Cambridgeport, Mass., President), manufacturers of electric engines and motors, 521 Washington street, Boston, Mass. 87.

Jackson, Francis E., with Edison Lamp Co., Harrison, N. J,

Jackson, H. V., Mechanical Engineer, 410 Smith street, Schenectady, N. Y. 40.

Jackson, W. A., Vice-President Detroit Electrical Works, Detroit, Mich.

Jacobs, W. H., representing the North American Construction Company in Cincinnati, Ohio.

Jacobi, Louis H., Superintendent Pacific Telephone and Telegraph Co., San Francisco, Cal.

Jakobson, M., dealer in bells, 175 East 77th street, New York. B B F.

Jacques, W. W. (Electrical Engineering Co., Boston, Mass.), Electrician American Bell Telephone Co.

Jarger, H. J., manufacturer of fine glass goods for electrical work, 173 Pearl street, Brooklyn, N. Y. E F.

Jahn, F. Y., Secretary of C. C. Sibley & Co., New York, N. Y.

James, C. H., bell hanger, 393 Main street, Worcester, Mass. A A F.

James, Geo. E., bell hanger, 41 Border street, East Boston, Mass.

Jamison, B. K., Vice-President Solar Carbon and Manufacturing Co., Pittsburgh, Pa.

James, C. F., bell hanger, 8 Mathewson street, Providence, R. I. B B G.

Janney, Morris P. (Janney & Wickersham), Pottstown, Pa.

Janney & Wickersham (Morris P. Janney and C. H. Wickersham), dealers in electrical supplies and manufacturers

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of electric water-level indicators, York and Walnut streets, Pottstown, Pa. F 85.

Jeffrey, J. A., President and General Manager Jeffrey Manufacturing Co., Columbus, Ohio.

Jeffrey Manufacturing Co. (J. A. Jeffrey, President and General Manager; Charles W. Miller, Secretary), manufacturers of electric coal mining machinery, Columbus, Ohio. Z H.

Jeffries, J. E., Vice-President and Manager Electric Construction Co., Lawrence, Kan.

Jelleink, Felix, Secretary Standard Paint Co., New York City.

Jenkins, William H., manufacturer of electric drills, 1080 7th st., Denver, Col. 75.

Jenks, W. J., Technical Department United Edison Manufacturing Co., 44 Wall street, New York, N. Y.

Jenney, Chas. G., Secretary and Treasurer Jenney Electric Motor Co., Indianapolis, Ind.

Jenney, Edwin W., Assistant Secretary Jenney Electric Motor Co., Indianapolis, Ind.

Jenney Electric Motor Co. (Addison Bybee, President; Julius F. Pratt, Vice-President; Chas. D. Jenney, Secretary and Treasurer; Edwin W. Jenney, Assistant Secretary), manufacturers of electric power machinery, 218–224 S. Illinois street, Indianapolis, Ind. V G.

Jewett & Pierce, bell hangers, Portland, Me. T O.

Jiminey, R. Z., with the Thomson-Houston Electric Co., Lynn, Mass.

Jilton, H. C., Auditor of the North American Construction Co., Pittsburgh, Pa.

Johns, H. W., President of the Johns Pratt Co., Hartford, Conn.

Johns Pratt Co., The (H. W. Johns, President; R. N. Pratts, Treasurer; E. B. Hatch, Secretary), manufacturers of electrical supplies, Hartford, Conn. W G.

Johnston, B. Frank, representing Interior Conduit and Insulating Co., of New York, Provident Building, N. W. corner of 4th and Chestnut streets, Philadelphia, Pa.

Johnson, Edward H., President Interior Conduit and Insulation Co., New York.

Johnson Electric Service Co. (Wm. Plankington, President; I. M. Bean, Vice-President; W. S. Johnson, Secretary and Treasurer), manufacturers of electric apparatus, 113 Clybourn street, Milwaukee, Mich. R S.

Johnson Electric Supply Co., The (Edward Avery, President; Wm. Lamb, Treasurer; Geo. A. Johnson, Vice-President and Manager; S. L. Holdreze, Electrician), manufacturers of the Johnson Storage Battery, 14 Mount Washington street, Boston, Mass. F 65.

Johnson, Geo. A., Vice-President and Manager of the Johnson Electric Supply Co., Boston, Mass.

Johnston, G. W., Secretary and Treasurer Gate City Electric Co., Kansas City, Mo.

Johnson, H. F., Secretary and Treasurer of Manhattan Electric Supply Co., New York, N. Y.

Johnson, J. R., Secretary Viaduct Manufacturing Co., Baltimore, Md.

Johnson, J. W., Salesman Thomson-Houston Electric Co., Chicago, Ill.

Johnson, Phelps, President the Ball Electric Light Co., Limited, Toronto, Ontario, Canada.

Johnson, P. F., bell hanger, 46 1st street, Detroit, Mich. A. A. Q.

Johnson, Robert, Treasurer of Brown Electric Protector Co., of New England, Boston, Mass.

Johnson, D. O., Secretary and Treasurer Hicks Induction Light & Motor Co., Detroit, Mich.

Johnson, W. A., Secretary, General Manager and Treasurer the Ball Electric Light Co., Limited, Toronto, Ont., Canada.

Johnson, W. C., mechanical engineer, 109 Water street, Fitchburg, Mass. 40.

Johnson, W. S., Secretary and Treasurer Johnson Electric Service Co., Milwaukee, Wis.

Johnston, W. A., Secretary and Treasurer the Carpenter Electric and Storage Co., Denver, Col.

Johnston, W. J., President of the W. J. Johnston Co., Limited, New York, N.Y.

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Johnston, W. J., Co., Limited, The (W. J. Johnson, President; F. E. Knight, Vice-President; Clarence E. Stump, Manager and Treasurer), publishers of the "Electrical World," 167–171 "Times" Building, New York, N. Y. W H.

Jones Brothers Electric Co., manufacturers of electrical goods, 56 Longworth street, Cincinnati, Ohio. S G.

Jones, Chas. W., Treasurer of the Tropical American Telephone Co., Boston, Mass.

Jones, Erastus O., Vice-President the Ball Electric Light Co., Limited, Toronto, Ont., Canada.

Jones, F. Cazenove, General Superintendent the Okonite Co., New York.

Jones, F. P., & Co. (Ferdinand P. Jones and Mary E. Jones), retail dealers in electrical supplies, 301 Main street, Buffalo, N. Y. L G.

Jones, Ferdinand P. (F. P. Jones & Co.), 301 Main street, Buffalo, N. Y.

Jones, Francis W., Assistant General Manager and Electrician Postal Telegraph Cable Co., 187 Broadway, New York, N. Y.

Jones, G. M. (Minneapolis Electric and Construction Co.), Minneapolis, Minn.

Jones, James (Pearce & Jones), New York,

Jones, J. Huff, Vice-President Detroit Motor Co., Detroit, Mich.

Jones, R. M., Agent United Edison Manufacturing Co., and Sprague Electric Railway and Motor Co., Salt Lake City, Utah.

Jones, Sebastian C., electrical engineer, Aurora, N. Y. G.

Jones, W. F., Treasurer and Manager of Waters Electric Time Switch Co., Brockton, Mass.

Jones, W. R., & Bro., bell hangers, Atlanta, Ga. D D Q.

Jones, Wm. S., Secretary and Treasurer of the Quaker City Electric Co., Philadelphia, Pa.

Jordon, Francis, President of Pennsylvania Telephone Co., Harrisburg, Pa.

Jordan, L. F., General Manager of Jordan Train Electric Lighting Co., and Electrician of Duralite Manufacturing Co., Boston, Mass.

Jordan Train Electric Lighting Co. (John S. Chamberlin, President; Malcolm Silas, Secretary and Treasurer; L. F. Jordan, General Manager; W. S. Hill, Electrician), manufacturers of Jordan's train lighting system, Jordan's adjustable mast arm and electric supplies, 85 Water street, Boston, Mass. R G.

Judd, C. B., manufacturer of electric belts, Council Bluffs, Iowa. P P G 15.

Judson, Cyrus Field, Treasurer of W. F. Ford Surgical Instrument Co., New York, N. Y.

Julien & Co., dealers in electric gas lighting apparatus, State street, Springfield, Mass. O T.

July, E. A., Secretary of Safety Electric Railway and Power Co., also Safety Electric Power Co. and Safety Electric Construction Co., New York, N. Y.

Justin, L. M., Vice-President Culp Electric Brush Co., The, New York.

K.

Kahn, Emile, President the Cincinnati Electric Engine Co., Cincinnati, Ohio.

Kalamazoo Electric Supply Co. (George I. Goodenow, Manager), dealers in electrical supplies, 109 South Burdick street, Kalamazoo, Mich. 75.

Kammeyer, Carl, Superintendent National Electric Manufacturing Co., Eau Claire, Wis.

Kansas Electric Co. (R. B. Gemmell, President; G. J. Bayless, General Superintendent; S. J. Bear, Secretary and Treasurer), dealers in electrical supplies, 606 Kansas avenne, Topeka, Kan. E F.

Kansas City Electrical Works (W. H. Woodring, President and General Manager; A. R. Lyon, Secretary and Treasurer; C. S. Gilbert, Superintendent), dealers in bells, etc., No. 104 West 12th street, Kansas City, Mo. K K F.

Karoly, E. S. (Dubuque Electric Works), dealer in electrical goods, 152 Seventh street, Dubuque, Ia.

Kavanagh, Joseph, Assistant Treasurer of the Metropolitan Telephone and Telegraph Co., New York, N. Y.

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Keck, G. B., dealer in supplies, Mt. Vernon, Ohio. O.

Keck, Lee R. (Nowatry Electric Co.), Cincinnati, Ohio.

Keese, S. J., President of Rhodes & Keese Electric Co., Los Angeles, Cal.

Keese, W. J., Secretary of Rhodes & Keese Electric Co., Los Angeles, Cal.

Keffer & McDonald, dealer in bells, etc., Columbus, Ohio. D D F.

Keith, N. S., electrical engineer, 21-23 Spear street, San Francisco, Cal. 40.

Keith, S. J., Vice-President of East Tennessee Telephone Co., Nashville, Tenn.

Keller, E. E., representing the North American Construction Co. in Chicago, Ill.

Keller, Jasper N., General Manager of New England Telephone and Telegraph Co., Boston, Mass.

Kellogg, A. A., bell hanger, 506 State street, New Haven, Conn. P P G.

Kellogg, Chas. A., Assistant Clerk American Electric Register Co., Boston, Mass.

Kellogg, C. W., Electrician employed by A. A. Kellogg, New Haven, Conn.

Kellogg, Henry F., electrical engineer, 620 Atlantic avenue, Boston, Mass. 40.

Kelly, Frank B., bell hanger, 226 New street, Philadelphia, Pa. 75.

Kelly, Jas., General Sales Agent the Edison Machine Works, Schenectady, N. Y.

Kempt, Alex., Agent Brush Electric Co., 180 Washington street, Chicago, Ill.

Kendall, H. C., President Duluth Telephone Co., Duluth, Minn.

Kendall, Minott K. (Kendall & Slade), Boston, Mass.

Kendall & Slade (Minott K. Kendall, Herbert L. Slade), dealers in electrical supplies, 43 Milk street, Boston, Mass.

Kennelly, A. E., Electrician Edison Laboratory, Orange, N. J.

Kenny, J. C., Supply Agent Central Union Telephone Co., Chicago, Ill.

Kent, Thos. B., Vice-President of Holmes, Booth & Haydens, New York, N. Y.

Kepler, H. G. (Walker & Kepler), Philadelphia, Pa.

Kerr, Walter C. (Westinghouse, Church, Kerr & Co.), New York and Boston.

Kester Electric Co (A. J. Crawford, President; John H. Berry, Vice-President; Jos. H. Briggs, Secretary and Treasurer; J. F. Kester, Electrician and Superintendent; Hugh Robinson, Manager), manufacturers of dynamos and motors, 26 and 28 North 6th street, Terre Haute, Ind. G 85.

Kester, J. F., Electrician and Superintendent Kester Electric Co., Terre Haute, Ind.

Keys, W. W., Superintendent the De Oxidized Metal Co., Bridgeport, Conn.

Kidder, Jerome, Manufacturing Co., manufacturers of electric medical apparatus, 820 Broadway, New York City. G 85.

Kiest, Ed. J., Secretary and Treasurer of the Columbia Inc. Lamp Co., St. Louis, Mo.

Killecutt, Dustin, Secretary of Brown Electric Protector Co. of New England, Boston, Mass.

Kimball, A. H., electrician, Main street, Fitchburg. Mass. 40.

Kimball, A. S., Professor of Physics Worcester Polytechnic Institute, Worcester, Mass.

Kimball, D. E., dealer in bells, etc., Topeka, Kan. Q 85.

Kimball, Fred M., & Co., electrical engineers and dealers in electric light apparatus, 149 Portland street, Boston, Mass. F 85.

Kimball, Herman P., electrician, 55 Garnet street, Fitchburg, Mass. 40.

Kimball, J. Wesley (Molecular Storage Battery Co.), Boston, Mass. 45.

Kimball, L., Vice-President Carpenter-Nevens Electro-Heating Co., N. Minneapolis, Minn.

Kimball, Marcus M. (Claflin & Kimball), Boston, Mass.

Kimble, Fred, Vice-President Royal Electric Co., Peoria, Ill.

King, Charles C. (Alfred F. Moore), Philadelphia, Pa.

King, G. J., Electrician of the J. R. Knowland Electrical Co., Oakland, Cal.

King, J. Floyd, President of the Aluminum Battery Electric Light and Power Co., New York, N. Y.

King Philip Electric Co., manufacturers of batteries, Bristol, R. I. 65.

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Kings County Electric Co. (C. H. Carter), electrical contractors, 330 Navy street, Brooklyn, N. Y. E 2.

Kingsbury, Fred'k J., President of the Aluminum Brass and Bronze Co., Bridgeport, Conn.

Kingsbury, Fred'k J., Jr., Secretary of the Aluminum Brass and Bronze Co., Bridgeport, Conn.

Kingsbury, L. L., representing the North American Construction Co., in Baltimore, Md.

Kinney, G. I., electrical engineer, 935 Sixth street, San Diego, Cal. 40.

Kinney, H. A., Agent Brush Electric Co., Omaha, Neb.

Kinney, Warren D., & Co., dealers in electric fixtures, 12 West street, Boston, Mass. 75.

Kips, John (Kips & Von Tobel), New York, N. Y.

Kips & Von Tobel (John Kips, R. H. Von Tobel), 161st street and Third avenue, New York, N. Y. 75.

Kirkland, J. W., electrical engineer, 148 Michigan avenue, Chicago, Ill.

Kirwan Electrical Station Indicator Co. (Geo. W. Shouk, President; Geo. H. Kirwan, Vice-President; H. B. Reynolds, Secretary; W. J. Lewis, Treasurer; G. H. Kirwan, Superintendent), manufacturers of electrical station indicators, Wilkesbarre, Pa. P G.

Kirwan, Geo. H., Vice-President of Kirwan Electrical Station Indicator Co., Wilkesbarre, Pa.

Kissam, D. W., Secretary Bridgeport Brass Co., Bridgeport, Conn.

Kitson, Geo. L., bell hanger, 436 Walnut street, Philadelphia, Pa.

Kitton, Frank, electrician, 151 Fargo avenue, Buffalo, N. Y. 40.

Klein, John M., & Co., electrical importing and manufacturing, 120 Montgomery street, San Francisco, Cal. L F.

Klein, P. H., Jr., Secretary of Bergmann Electric and Gas Fixture Co., New York, N. Y.

Knevals, Sherman H., Vice-President of Ball Electric Light Co., New York, N. Y.

Kloman, T. W. (Pittsburgh Electric Co.), Pittsburgh, Pa.

Knapp, Allan C., electrician, 225 Dearborn street, Chicago, Ill. 75.

Knapp Electrical Works (T. M. Knapp, President; M. A. Knapp, Secretary and Treasurer), manufacturers of electrical supplies, 54 and 56 Franklin street, Chicago, Ill. R R G.

Knapp, T. M., President Knapp Electrical Works, Chicago, Ill.

Knapp, M. A., Secretary and Treasurer Knapp Electrical Works, Chicago, Ill.

Knight, A. S., Clerk of New England Wiring and Construction Co., Boston, Mass.

Knight, F. E., Vice-President of the W. J. Johnston Co., Limited, New York, N. Y.

Knight, Geo. D. (Geo. D. Knight & Co.), New York City.

Knight, Geo. D. & Co. (Geo. D. Knight and Chas. Loring), bell hangers, 208 East 23d street, New York City. L F.

Knowland, J. R., Manager of the J. R. Knowland Electrical Co., Oakland, Cal.

Knowland, J. R., Electric Co., The (J. R. Knowland, Manager; G. J. King, Electrician), dealer in electrical supplies, 468 10th street, Oakland, Cal. 75.

Knox, Charles N., Agent Mather Electric Co. and Perkins Electric Lamp Co., Hartford, Conn.

Knudson, A. A., Electrician American Institute of Electrical Engineers, 5 Beekman street, New York, N. Y.

Kobbe, Ph. Ferd., Treasurer the United States Electric Lighting Co., 120 Broadway, New York City.

Kohlbusch, H., manufacturer of dynamometers, 59 Nassau street, New York, R H.

Koonz, John C., bell hanger, 205 Washington street, Burlington, Ia. A A Q 100.

Korty, L. H., Secretary and Treasurer of the Nebraska Telephone Co. and the Midland Electric Co., Omaha, Neb.

Kreidler, W. A., publisher "Western Electrician," Chicago, Ill.

Kretschmar, P. H., Treasurer of Automatic Battery Co., Brooklyn, N. Y.

Kruesi, John, Assistant General Manager of the Edison Machine Works, Schenectady, N. Y.

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Kugler, C. B. (J. H. Lehman & Co.), Philadelphia, Pa.

Kuhlo, Arnold (Kuhlo-Mahn Manufacturing Co.), St. Louis, Mo.

Kuhlman, August, dealer in medical batteries, 203 Jefferson avenue, Detroit, Mich, P P G.

Kyle, Wm. S. (Bradford, Kyle & Co.), Plymouth, Mass.

L.

Laass, E., Mechanical Engineer and President of the Dewey Corporation, Syracuse, N. Y.

Laas, Frank W., dealer in electrical goods, Marion, Iowa. A A F 30.

Lain, David E., B. S., electrical engineer, Yonkers, N. Y. 40.

Lake, Wm., Manager District Telegraph and Electric Supply Co., East Saginaw, Mich.

Lake, Wilmot, Superintendent of the Washington Electric Conduit Co., Washington, D. C.

Lakin, H. A., Proprietor and Electrician of Springfield Electric Co., Springfield, Mass.

Lamarche, H. J. (Lamarche's Sons), New York City.

Lamarche's Sons (H. J. Lamarche and M. J. Lamarche), dealers in battery zincs, spelters, iron, etc., 83 John street, New York City. V G.

Lamb, Frank H., Assistant Superintendent Western Union Telegraph Co., 2021 Webster street, San Francisco, Cal.

Lamb, Wm., Treasurer the Johnson Electric Supply Co., Boston, Mass.

Laminar Fibre Goods Co. (Henry H. Rueter, President and Treasurer; C. H. Whall, Manager; T. S. Hanna, Superintendent; Henry Clauser, Jr., N. Y., Director), manufacturers of insulating goods, 180 Summer street, Boston, Mass. V G.

Lancashire, J. Henry (Macdonald Bros. & Co.), Detroit, Mich.

Lancaster, James H., electrical and consulting engineer, 171 Broadway, New York, N. Y. M G.

Lande, Bernard, Manager Anglo-American Electric Light Manufacturing Co., New York, N. Y.

Landon, F. W., dealer in electrical supplies, Concord, N. H. B Q.

Landsberg, Albert (L. Black & Co.), Detroit, Mich.

Lane, Frederick (Lane & Small), Boston, Mass.

Lane, J. M. (J. M. Lane & Co.), Brooklyn, N. Y.

Lane, J. M. & Co. (J. M. Lane), bell hanger, 90 Court street, Brooklyn, N. Y. K K.

Lane, J. N. V., dealer in electric supplies, 5 State street, Bangor, Me. D D F.

Lane & Small (Frederick Lane, Fred E. Small, Proprietors), manufacturing electricians, 52 Purchase street, Boston, Mass. G 85.

Lane. Thos. W., Expert Electrician with the Electric Gas Lighting Co., Boston, Mass.

Lang, James (J. Lang & Co.), Chicago, Ill.

Lang, John (J. Lang & Co.), Chicago, Ill.

Lang, J., & Co. (James Lang, John Lang), manufacturers of electric switches, 44 Michigan St., Chicago, Ill. L F.

Lang, J. Frank, Corporation Clerk of the Electric Gas Lighting Co., Boston, Mass.

Langan, F. L., Treasurer the Silvey Electric Co., Lima, Ohio.

Lange, Philip A., Superintendent Detail Department Westinghouse Electric Co., Pittsburgh, Pa.

Langley, James P., President District Telegraph and Electric Supply Co., and Hartford Electric Co., East Saginaw, Mich.

Langstroth, Thos. W., bell hanger, 14 Mechanic street, Newark, N. J. P G.

Lanon, J. E., dealer in electric supplies, Burlington, Vt. L F.

Lansing, E. P., Electrician and Superintendent of American District Telegraph Co., Troy. N. Y.

Larned, Chas. P., General Manager Lockwood Instrument Co., Detroit, Mich.

La Roche Electric Works, manufacturers of dynamos and motors, 116 North Sixth street, Philadelphia, Pa. Q 85.

Lasell, Edward, Secretary and Treasurer Southwestern Electrical Supply Co., Kansas City, Mo.

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Latrobe, F. C., Treasurer of the Wenstrom Consolidated Dynamo and Motor Co., Baltimore, Md.

Larshan, Zack, Vice-President and General Manager National Electric Manufacturing and Construction Co., New York.

Lattig, J. W., Superintendent of Telegraph Lehigh Valley Railroad, South Bethlehem, Pa.

Laughton, Charles C. (Davis & Laughton), Boston, Mass.

Laugton, John, General Manager Canadian Edison Manufacturing Co., Sherbrooke, Que.

Law Telephone Co., The (Wm. A. Childs, President and Treasurer; Geo. F. Durant, Secretary; M. M. Hayden, Manager), manufacturers of switchboards, bells and batteries, 85 John street, New York, N. Y.

Lawrence, Francis W., President of Globe Gas Light Co., Boston, Mass.

Lawrence, W. H., President the National Carbon Co., Cleveland, Ohio.

Lawrence, L. H., Vice-President Central New York Telephone and Telegraph Co., Utica, N. Y.

Lawrence, Sam'l B., Secretary of Roberts-Brevoort Electric Co., Limited, New York City. M.

Lawson, A. J., electrical engineer and contractor, Montreal, Que. 128.

Lawton, Frank, Secretary of International Porte Electric Co., New York, N. Y.

Lawton, M. A., Jr., Secretary the Buckeye Electric Co., Cleveland, Ohio.

Leach, Jas. E., Treasurer of Massachusetts Auxiliary Fire Alarm Co., Boston, Mass.

Leckie Manufacturing Co. (J. A. Nickerson), manufacturer of all kinds machinery and electric work, Jamaica Plain, Boston, Mass. 75.

Leclanche Battery Co. (Frank Roosevelt, President; Horatio J. Brewer, Secretary and Treasurer), manufacturers of electric batteries, 149 West 18th street, New York City. V G.

Ledoux, A. R., chemical expert, 10 Cedar street, New York, N. Y.

Lee, Charles E., manufacturer of electrical goods, 189 West Main street, Rochester, N. Y. P F.

Lee, D. W., Agent for Globe Gas Light Co., Boston, Mass.

Lee, Huntington, Traveling Representative the Fred H. Whipple Co., Detroit, Mich.

Lee, John C., Chemist and Electrician American Bell Telephone Co., Brookline, Mass.

Lee, Wm. S., & Co. (Wm. S. Lee), dealers in electric supplies, 288 Essex street, Salem, Mass. B 2.

Lehman, J. H. (J. H. Lehman & Co.), Philadelphia, Pa.

Lehman, J. H., & Co. (J. H. Lehman, C. B. Kugler), manufacturers of electrical appliances, 51 South Third street, Philadelphia, Pa. G 85.

Lehman, J. Hufty, bell hanger, 107 South 13th street, Philadelphia, Pa. F 85.

Leland, E. J., dealer in medical batteries, 424 Main street, Worcester, Mass. B G.

Leland, Frank D., dealer in electrical supplies, Springville, N. Y. 75.

Lemp, Hermann, Jr., Electrician Thomson Electric Welding Co., Lynn, Mass

Lenhart, W. M., Salesman Westinghouse Electric Co., Chicago, Ill.

Lennon, J. M., electrical engineer, Minneapolis, Minn. 40.

Leonard, B. E., dealer in bells, etc., 514 Lackawanna avenue, Scranton, Pa. 150.

Leonard, Francis H., Jr., State Agent Thomson-Houston Electric Co., General Manager and Vice-President Electrical Engineer Supply Co., of Syracuse, and the Central Electrical Construction Co., Syracuse, N. Y.

Leonard, H. Ward, General Manager United Edison Manufacturing Co., New York, N. Y.

Leonard, M. B., Electrical Engineer and Superintendent Telegraph Chesapeake and Ohio Railway Co., Richmond, Va.

Leslie, C. R., Treasurer of the Stuttgart Improvement Co., Little Rock, Ark.

Leslie, S. H., Vice-President of the Stuttgart Improvement Co., Little Rock, Ark.

Levens Electric Bell Co. (N. O. Levens), dealers in bells, etc., 112 North Topeka

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street, Wichita, Kan. Removed to Dallas, Tex.

Levens, N. O. (Levens Electric Bell Co., Wichita, Kan.

Lewall, John, electrician, 6 East 17th street, New York. 40.

Lewars, Geo. H., Secretary of Sawyer-Man Electric Co., New York, N. Y.

Lewis, A. H., Manager Chicago Office "C. & C." Electric Motor Co., Phoenix Building, Chicago, Ill.

Lewis, Wm. G., President of Grey's Dynamo Electric Machine Co. of Boston, Birmingham, Conn.

Lewis, W. J., Treasurer of Kirwan Electrical Station Indicator Co., Wilkesbarre, Pa.

Lewry, C. W., bell hanger, 200 Melrose street, Brooklyn, N. Y. K K G.

Liebig, Gustav A., Jr., Electrical Testing Bureau, Johns Hopkins University, Baltimore, Md.

Liegler, H., bell hanger, 112 Andrews street, Rochester, N. Y. 75.

Lindsay, W. B., Superintendent of Automatic Battery Co., Brooklyn N. Y.

Lines, Fred'k, Secretary of Empire City Electric Co., New York, N. Y.

Linnell, H. M., General Manager the Hartford Dynamic Co., Hartford, Conn.

Linsley, Ed. L., Secretary the Brewer & Smith Visual Signal Co., New Haven, Conn.

Linze Bros. (Henry H. and William G.), bell hangers and manufacturers of invisible burglar alarms, 1129 Olive street, St. Louis, Mo. D G 11.

Linze, Henry H. (Linze Bros.), St. Louis, Mo.

Linze, William G. (Linze Bros.), St. Louis, Mo.

Lionberger, John R., Vice-President and Treasurer the Bell Telephone Co. of Missouri, St. Louis, Mo.

Lipe, C. E., Vice-President and Treasurer Marvin Electric Drill Co., Syracuse, N. Y.

Little, Geo. S., electrician, 302 High street, Boston, Mass. 75.

Little, John, President the Miami Telephone Co., Xenia, Ohio.

Little, McDonald & Co., dealers in electrical goods, Buffalo, N. Y. 75.

Livingston, I., Superintendent Standard Paint Co., New York City.

Lyman, Chas. M., Secretary of Eureka Electric Co., New York, N. Y.

Locke, Charles E., Agent the Rhode Island Electric Protective Co., Pawtucket, R. I.

Lockwood Instrument Co. (Jos. E. Lockwood, Electrician; Chas. P. Larned, General Manager), manufacturers of electrical instruments, Detroit, Mich. M G.

Lockwood, Jos. E., Electrician Lockwood Instrument Co., Detroit, Mich.

Lockwood, Thomas D., electrical engineer and advisory electrician, P. O. Drawer 2, Boston, Mass.

Loebs, Fred J., dealer in bells, etc., 25 Chippewa street, Buffalo, N. Y. B 85.

Lombard, L. W. (Merrill & Lombard), Boston, Mass.

Longwell, H. E., Western Manager Westinghouse, Church, Kerr & Co., 156 Lake street, Chicago, Ill.

Loomis, E. A. (Belcher & Loomis), Providence, R. I.

Lopeman, F. (Skeen & Farmer), St. Louis, Mo.

Lord, Frank P., electrical wiring, 42 Brown street, Portland, Me. 75.

Lord, S. W., Treasurer of the Pulsion Telephone Co., Boston, Mass.

Loring, Chas. (Geo. D. Knight & Co.), New York City.

Loud, E. T., Treasurer the H. M. Loud Lumber Co., Oscoda, Mich.

Loud, Geo. A., Vice-President the H. M. Loud Lumber Co., Oscoda, Mich.

Loud, H. N., Secretary the H. M. Loud Lumber Co., Oscoda, Mich.

Loud, H. M., President the H. M. Loud & Sons Lumber Co., Oscoda, Mich.

Loud & Sons Lumber Co., The H. M. (H. M. Loud, President; Geo. A. Loud, Vice-President; H. N. Loud, Secretary; E. F. Loud, Treasurer), manufacturers of and dealers in cross arms and poles, Oscoda, Mich. X X H.

Louis, John, bell hanger, 22 Liberty street, Utica, N. Y. S S H.

Lounsbury, Jas. A. (National Engineering Bureau), Chicago, Ill.

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Lovejoy, J. R., Manager Construction and Lighting Department Thomson-Houston Electric Co., Boston, Mass.

Lovell, F. S., manufacturer of dynamos, 87 Boutelle street, Fitchburg, Mass. 75.

Loveridge & Bloom, Buffalo, N. Y. 75.

Low Art Tile Co., the manufacturers of Tile Push Buttons, Chelsea, Mass. (Boston Office, 97 Portland street, Boston.) Y G.

Low, Geo. F., bell hanger, Chestnut street, Peabody, Mass. B F.

Lowder & Beller (Mrs. A. J. Lowder and John Beller), bell hangers, 218 4th street, Sioux City, Iowa. B B F.

Lowder, Mrs. A. J. (Lowder & Beller), Sioux City, Iowa.

Loyd. Robert McA., Electrician Daft Electric Works, Jersey City, N. J.

Luckey, J. L., Secretary of the Shaver Corporation, New York City.

Lugo Orazio (Molecular Storage Battery Co.), Boston, Mass. 47.

Lukins, F. M., electrician, Streator, Ill. 75.

Lum, B. D., & Son, manufacturer of electrical supplies, Stamford, Conn. 75.

Lundell, Robert, Designing Draughtsman Sprague Electric Railway Co., 149 East 49th street, New York City.

Lungen, A. (Edwards & Co.), New York City.

Luthy, Fred, President Royal Electric Co., Peoria, Ill.

Lyon, A. R., Secretary and Treasurer Kansas City Electrical Works, Kansas City, Mo.

Lyman, C. G., Secretary Queen City Electric Co., Cincinnati, Ohio.

Lyman, C. W., Treasurer the Rocky Mountain Bell Telephone Co., Salt Lake City, Utah.

Lyman's, A. B., Electrical Works, dealers in bells, etc., 36 South Water street, Cleveland, Ohio. K K F.

Lynch, Eugene T., Jr., electrical engineer, 120 Broadway, New York City. 40.

Lynch, John, President of the Washington Electric Conduit Co., Washington, D. C.

Lyne, Lewis F., mechanical and electrical engineer, 307 Grove street, Jersey City, N. J. 40.

M.

Macdonald Bros. & Co. (Hugh and George S. Macdonald, Charles F. Rich, J. Henry Lancashire and Annie W. Wright), dealers in electric fixtures, 201 Woodward avenue, Detroit, Mich. R F.

Macdonald, George S. (Macdonald Bros. & Co.), Detroit, Mich.

Macdonald, Hugh (Macdonald Bros. & Co.), Detroit, Mich.

Machado, J. A., Secretary of the Waddell-Entz Electric Co., Brooklyn, N. Y.

Mack, G. J. (Waterloo Electric Co., The), Waterloo, Iowa.

Mack, W. H., Salesman Brush Electric Co., 225 Dearborn street, Chicago, Ill.

Mackey, The J. C., Co., manufacturers of automatic electric sprinklers, 75 East Water street, Syracuse, N. Y. F 85.

Mackintosh Battery and Optical Co. (John S. Emmert, President and Treasurer; C. Alfred Smith, Secretary), manufacturers of batteries for medical purposes, 141-143 Wabash avenue, Chicago, Ill. G 85.

Maclilie, C. H., broker in electrical securities, 11 Wall street, New York, N. Y.

Madden, H. G., Manager of Empire City Electric Co., New York, N. Y.

Madden, O. E., President of Empire City Electric Co., New York, N. Y.

Magnetic Separator Co. (Geo. P. Ide, President; Sheldon Norton, Vice-President; John Tupper, Secretary and Treasurer; A. F. Porter, General Manager), manufacturers of machines for separating iron ore, 433 River street, Troy, N. Y. G.

Magullion, Frank E., Treasurer American Conduit and Construction Co., Boston, Mass.

Mahn, Herman (Kuhlo-Mahn Manufacturing Co.), St. Louis, Mo.

Mahoning Electric Supply and Manufacturing Co., dealers in electrical supplies, Youngstown, Ohio. T O.

Mailloux, C. O., consulting electrical engineer, 32 Liberty street, New York, N. Y. 40.

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Main, Wm., Electrician of the River and Rail Electric Co., New York, N. Y.

Main, W. H., dealer in electrical apparatus, Hutchinson, Kan. B Q.

Maine Auxiliary Fire Alarm Co. (Henry P. Cox, President; F. C. Woodbury, Treasurer), First National Bank Building, Room 3, Portland, Me. 75.

Malcolm, Philip S., Western Agent Gibson Electric Co., Portland, Ore.

Malia, J. P., Electrician Armour & Co., Chicago, Ill.

Malmene, Walderman, bell hanger, 2248 Cass avenue, St. Louis, Mo. 75.

Maltby, G. A., bell hanger, 518 Chateau avenue, St. Louis, Mo. 75.

Manchester, F. H., Treasurer Providence Gas Burner Co., Providence, R. I.

Manhattan Electric Supply Co. (J. J. Gorman, President; H. F. Johnson, Secretary and Treasurer), dealers in electrical supplies, 36 Cortlandt street, New York, N. Y. 75.

Mann, T. W., mechanical engineer, 35 Hamden street, Holyoke, Mass. 40.

Manning, H. S., Superintendent of Construction Thomson-Houston Electric Co., Chicago, Ill.

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Mansfield, G. W., Railroad Department Thomson-Houston Electric Co., Boston, Mass.

Manson, George T., with the Okonite Co., New York.

Marcus, A., Secretary of Edison General Electric Co., New York, N. Y.

Marean, Morell (Royce & Marean), Washington, D. C.

Margeson, T. P., bell hanger, 198a Eliot street, Boston, Mass. T.

Marion Electric Belt Co. (A. R. Sargeant, Proprietor), manufacturer of electric belts, Marion, Iowa. K K F 13.

Markland, W. H., Foreman Telegraph Department, Pennsylvania Railroad, Altoona, Pa.

Markle Engineering Co. (Nolton F. Stoddard, President and Treasurer; Geo. A. Morrison, Secretary), electrical engineers, 133 Jefferson avenue, Detroit, Mich. N F.

Markle, John R., Manager Michigan Department Edison Lighting and Power Systems, 133 Jefferson avenue, Detroit, Mich.

Marks, H., Superintendent Fisher Electric Co., Detroit, Mich.

Marks, M. L., President Hawkeye Electric Manufacturing Co., Davenport, Ia.

Marks, William D., Ph. B., C. E., Edison Electric Light Co., Philadelphia, Pa.

Marks, W. W., Superintendent Bishop Gutta-Perch Co., New York City.

Marquand, T., Manager of Roxite Insulating Co., Harlem, New York.

Man, Albon, Vice-President of the River and Rail Electric Co., New York, N. Y.

Marr, Frank S., Vice-President and General Manager the North American Construction Co., Pittsburgh, Pa.

Marshall, J. T., Inspector of Lamp Manufacture, Edison Lamp Co., Harrison, N. J.

Marshall, M. C. (Albert Sechrist & Co.), Denver, Col.

Marshall, N. (Spruance & Marshall), Lewisberg, Pa.

Martin, George, Auditor of the Thomson-Houston Electric Co., Chicago, Ill.

Martin, J. L., Secretary Western Office Thomson-Houston Electric Co., Chicago, Ill.

Martin, L. P., General Manager the River and Rail Electric Co., Denver, Col.

Martin, R. H., electrician, 79 Day street, New Haven, Conn. 75.

Martin, T. Commerford, Vice-President the "Electrical Engineer," New York City.

Martin, Wilson, Automatic Fire Alarm Co. (Chas. Fairchild, Proprietor; Wm. Sears, Superintendent), 12 Pearl street, Boston, Mass. T.

Marvin Electric Drill Co. (W. J. Gillett, President; C. E. Lipe, Vice-President and Treasurer; H. N. Marvin, Secretary and Mechanical Engineer), Syracuse, N. Y. 75.

Marvin, H. N., Secretary and Mechanical Engineer Marvin Electric Drill Co., Syracuse, N. Y.

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Mason, Fred A., Vice-President and Treasurer Bridgeport Brass Co. and President and Treasurer Bridgeport Electric Manufacturing Co., Bridgeport, Conn.

Mason, H. Jas., manufacturer of primary batteries, 63 Broadway, New York. 75.

Mason, Jas. H., Secretary of the Simplex Electrical Co., Boston, Mass.

Mason, J. W., President Gate City Electric Co., Kansas City, Mo.

Mason, W. D., Secretary and Superintendent Providence Gas Burner Co., Providence, R. I.

Mason, W. R., President and General Manager Electric Merchandise Co., Chicago, Ill.

Mass, B. W., Secretary of the Illinois Anglo-American Storage Battery Co., Chicago, Ill.

Massachusetts Auxiliary Fire Alarm Co. (Geo. E. Hitchcock, President; Geo. T. Cowerly, Vice-President; Jas. E. Leach, Treasurer; W. H Hildreth, General Manager; W. M. Payson, Secretary; C. Howland, Electrician), manufacturers of fire alarm system, 4 Winnisimmet street, Chelsea, Boston, Mass. T.

Massachusetts Electrical Engineering Co. (Chas. A. Stone and Edwin S. Webster, Managers; W. W. Jacques, Electrician American Bell Telephone Co.; S. W. Holman, Professor of Physics Massachusetts Institute Technology; Edward Sawyer, Mill and Hydraulic Engineer; Geo. W. Blodgett, Electrical Engineer Boston and Albany R. R.; Arthur L. Plimpton, Engineer West End Street Railway Co.), 4 Post Office Square, Boston, Mass. 40.

Mather Electric Co., The (H. G. Cheney, President; M. S. Chapman, Vice-President; Robert Cheney, Secretary and Treasurer; N. T. Pulsifer, General Manager; Wm. A. Anthony, Consulting Electrician), manufacturers of dynamos and motors, Manchester, Conn. V H.

Mather, John, manufacturer of dynamos, Leominster, Mass. 75.

Matheson, John J. (Wayne Electrical Works), Detroit, Mich.

Mathinet, J. V., President Cleveland Gas Fixture Co., Cleveland, Ohio.

Mathinet, V. P., Treasurer Cleveland Gas Fixture Co., Cleveland, Ohio.

Matteson, A. J. (A. J. & B. Matteson), Providence, R. I.

Matteson, A. J. & B., bell hangers, 50 Richmond street, Providence, R. I. B F.

Matteson, B. (A. J. & B. Matteson), Providence, R. I.

Mattox, W. B. P., bell hanger, Little Rock, Ark. 75.

Maver, William, Jr., Electrical Expert with New York Electrical Subway and Telegraph Co., 31 Nassau street, New York. P H.

Maxfield, R. A., Treasurer and Secretary of the Northern New York Telephone Co., Lowell, Mass.

May, B. W., Secretary Illinois Anglo-American Storage Battery Co., Chicago, Ill.

Maybury, W. C., President Detroit Motor Co., Detroit, Mich.

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Mayer, Mark, Secretary of Automatic Battery Co., Brooklyn, N. Y.

Maynard, Geo. C., electrical engineer, 1409 New York avenue, Washington, D. C. 40.

Mayo, George A., with Rockford Electric Manufacturing Co., Rockford, Ill.

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McCallen, Hugh, President of Yowell Electric Medical Co., Dallas, Texas.

McCormick, David A. (David A. McCormick & Co.), Detroit, Mich.

McCormick, David A. & Co. (David A. McCormick), dealers in electric apparatus, 288 Woodward avenue, Detroit, Mich. 10.

McCoubray, T., Secretary and General Sales Agent the Crocker-Wheeler Motor Co., New York City.

McCreary, A. A., Vice-President and General Manager of the McCreary Electrical Specialty Co., New York, N. Y.

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McCreary Electrical Specialty Co., The (Wm. Foster, President; A. A. McCreary, Vice-President and General Manager; C. C. Foster, Secretary and Treasurer), manufacturers of reflectors and electrical specialties, 18 Cortlandt street, New York. 75.

McCreery & Pendergast, bell hangers, 986 Sixth avenue, New York. B Q.

McCullagh, W. L., Auditor the Westinghouse Electric Co., Pittsburgh, Pa.

McDaniel, C. W., Superintendent of Missouri and Kansas Telephone Co., Kansas City, Mo.

McDaniel, Jos. L., Vice-President of Vulcanized Fibre Co., Wilmington, Del.

McDonald, J. B., President Illinois Anglo-American Storage Battery Co., Chicago, Ill.

McDuff, Gilbert G., Traveling Representative the Fred H. Whipple Co., Detroit, Mich.

McEntee, J. A., Manager and Electrical Engineer Dawn Electric Construction Co., Chicago, Ill.

McFarland, Geo. W., dealer in bells, etc., Dayton, Ohio. M F.

McGeorge, Robert (Boston Art Brass Co.), Boston, Mass.

McGonnigle, R. D., Secretary and Treasurer the North American Construction Co., Pittsburgh, Pa.

McGuire Manufacturing Co. (W. A. McGuire, President; W. J. Cook, Vice-President; C. B. Benton, Treasurer; M. B. Webster, Secretary; M. G. Hubbard, Jr., Mechanical Engineer), manufacturers of electric car trucks, 122 and 123 North Sangamon street, Chicago, Ill. G S.

McGuire, W. A., President McGuire Manufacturing Co., Chicago, Ill.

McIntire, C., Co., The, manufacturers of McIntire's patent connectors and terminals, 13-15 Franklin street, Newark, N. J.

McIntosh, Charles L., Vice-President the Colorado Telephone Co., Denver, Col.

McKenney & Waterbury (W. G. McKenney, F. S. Waterbury), dealers in electroliers, 181 Franklin street, Boston, Mass. 65.

McKenney, W. G. (McKenney & Waterbury), Boston, Mass.

McKiernan, Thos. F., electrician, New Haven, Conn. Q T.

McKibben, George N., chemist and electrician, 46 West 51st street, New York, N. Y. 40.

McKinney, C. H. (C. H. McKinney & Co.), Boston, Mass.

McKinney, C. H., & Co. (C. H. McKinney), manufacturer and dealer in electric fixtures, 636 Washington street, Boston, Mass. V V G.

McKinlock, George A., President Southern Electrical Supply Co., St. Louis, Mo., and Treasurer Central Electric Co., Chicago.

McKinlock, Wm. H., President Central Electric Co., Chicago, Ill., and Vice-President Southern Electrical Supply Co., St., Louis.

McKinlock, W. C., Secretary and Treasurer Southern Electrical Supply Co., St. Louis, Mo.

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McLaughlin, Chas. (J. H. Bunnell & Co.), New York, N. Y.

McLaughlin, Jas., electrical and mechanical engineer, 32 South Clinton street, Chicago, Ill. G 85.

McLaughlin, Jas. F., bell hanger, 140 South 4th street, Philadelphia, Pa. 75.

McLaughlin, J. R., representing the Sprague Electric Railway and Motor Co., 27 Whitney Block, Detroit, Mich.

McLean, William B., manufacturer of mouldings, cleats, cut-outs, etc., 1038 to 1055 33d street, Pittsburgh, Pa. M C 21.

McLennan, K., Electrician Swift & Co., Chicago, Ill.

McLeod, Jno. D., Secretary Wisconsin Telephone Co., Milwaukee, Wis.

McMahon, John M., Bergen Point, N. J. 75.

McMillan, Charles (Bram Bros. & Co.), Buffalo, N. Y.

McMillan, Hugh, President Detroit Electrical Works, Detroit, Mich.

McMillian, Wm., bell hanger, 1365 Lexington avenue, New York. L G.

McNally (Hodson & McNally), New York City.

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McShane, Robert (McShane & Simonds), St. Louis, Mo.

McShane & Simonds (Robert McShane and John Simonds), bell hangers, 717 Vandeventer avenue, St. Louis, Mo. B Q.

Mead, Chauncey, manufacturer of primary batteries, 5 Garden street, Cleveland, Ohio. T.

Mead, C. W., President the Hartford Dynamic Co., Hartford, Conn.

Mead, M. W., Bureau of Electricity, Pittsburgh, Pa.

Mechanics' Manufacturing Co., dealer in electrical supplies, New Bedford, Mass. 75.

Medoy, C. H., Vice-President Fisher Electric Co., Detroit, Mich.

Meehan, Thos. F., Secretary American Conduit and Construction Co., Boston, Mass.

Meldrim, B. W., President of Savannah Electrical Co., Savannah, Ga.

Meredith, Wynn, Vice-President and Electrician the Hinckley Manufacturing Co., Aurora, Ill.

Mergenthaler, Ott & Co., dealers in supplies, Claggett and Allen streets, Baltimore, Md. S S H.

Merrihew, James, Vice-President of Southern Bell Telephone and Telegraph Co., New York, N. Y.

Merrick, L. C., Agent for Automatic Fire Alarm and Extinguisher Co., 49 South Fourth street, Philadelphia, Pa.

Merrill, A. L. (Merrill & Lombard), Boston, Mass.

Merrill, Albert, Electrician Amoskeag Manufacturing Co., River Road, Manchester, N. H.

Merrill & Lombard (A. L. Merrill, L. W. Lombard), engineers and electrical machine work, 182 Oliver street, Boston, Mass. M G.

Merrill, W. H., Electrician of Safety Electric Light Co., Boston, Mass.

Merritt, C. H., Vice-President of Roberts-Brevoort Electric Co., Limited, New York City.

Mertz, Ferdinand, bell hanger, 744 Iowa street, Dubuque, Ia. D F 100.

Merwin, T. D., Secretary Consolidated Temperature Controlling Co., Minneapolis, Minn.

Messervey, Benjamin F., General Manager Gethins' Electrical Manufacturing Co., Boston, Mass.

Messner, C. W., Agent "C. & C." Electric Motor Co., also Manager Washington Electric Construction Co., 1225 F street, N. W., Washington, D. C. K K G.

Meston, C. R., Secretary Southwestern Electrical Engineering Co., St. Louis, Mo.

Metcalf, O., President the River and Rail Electric Co., Denver, Col., residence, Pittsburgh, Pa.

Metropolitan Telephone and Telegraph Co., The (Charles F. Cutler, President; John H. Cahill, Secretary; William Driver, Treasurer; Joseph Kavanagh, Assistant Treasurer; Wm. F. Bouchelle, Assistant Secretary; William G. Good, Acting Auditor, David B. Parker, General Manager; Edward W. Carritt, General Superintendent), 18 Cortlandt street, New York, N. Y. X X H.

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Metzger, Henry, General Manager the Central District and Printing Telephone Co., Pittsburgh, Pa.

Meyer, F., bell hanger, 239 7th avenue, New York. Q.

Meyers, C. H., manufacturer of electric belts, Paullina, Ia. B F 14.

Miami Telephone Co., The (John Little, President; Warren Anderson, Secretary and General Manager; A. S. Fraser, Treasurer, George G. Hall, Vice-President). Xenia, Ohio. G 85.

Michales Electric Mining Machine Co., The (W. A. Michales, President; E. P. Douglass, Treasurer; O. S. Weddell, Secretary; J. C. Smith, Vice-President; J. M. Davis, General Manager), manufacturers of electric mining machines, Marine Bank Building, cor. 3d ave. and Smithfield street, Pittsburgh, Pa. 22.

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Michl, Aaron, constructing engineer, 206 E. 61st street, New York, N. Y. 40.

Michigan Electrical Works (Henry A. Vollkner), electricians and manufacturers of physicians' batteries, 5 Fort street, East Detroit, Mich. D D F.

Midland Electric Co. (L. M. Rheem, President; Hemon Drake, Vice-President; L. H. Korty, Secretary and Treasurer; A. F. Blundell, General Manager and Receiver), electrical engineers and contractors, 1804 Douglas street, Omaha, Neb. 56.

Milbank, L. A., Manager of Standard Electric Co., St. Johnsbury, Vt.

Miles, B. F., Vice-President of the National Carbon Co., Cleveland, Ohio.

Miller, C. D., General Manager and President of the Star Electric Co., Bridgeport, Conn.

Miller, Charles W., Secretary of Jeffrey Manufacturing Co., Columbus, Ohio.

Miller, Frank H., with E. Baggott, Chicago, Ill.

Miller, G. A., Secretary and Manager of Archer Electric Belt Co., Wichita, Kan.

Miller, Henry, Jr., Secretary of New York Carbon Co., New York City.

Miller, Justus, President of Troy Electric Dynamo Co., Troy, N. Y.

Miller, R. M., President of the D. A. Thompkins Co., Charlotte, N. C., Atlanta, Ga.

Miller, Wm. C., electrical engineer, 1165 Broadway, Albany, N. Y. G 40.

Miller, Wm. L., President of Crosby Electric Co., New York, N. Y.

Miller, Hon. Warner, President Carolina Oil and Creosote Co., Wilmington, N. C.

Milliken, Hon. E. B., Treasurer and General Manager Electrical Glass Corporation, Boston, Mass.

Milliken, Geo. F., General Manager of Gamewell Auxiliary Fire Alarm Co., Boston, Mass.

Mill and Mine Electric Equipment Co. (Wm. J. Burns, President; Jay W. Carnahan, Vice-President; W. A. Giles, Secretary and General Manager; Wm. B. Giles, Treasurer), engineers and contractors for electrical supplies, room 68, 95 Fifth avenue, Pittsburgh, Pa. P G.

Mills & Bevin, Managers Bevin Bros. Manufacturing Co., East Hampton, Conn.

Mills, S., Manager Bevin Bros. Manufacturing Co., East Hampton, Conn.

Miner, W. M., electrician and inventor, 89 East Second street, Plainfield, N. J.

Mingle, Jas. L., bell hanger, 4438 Chestnut street, Philadelphia, Pa. 75.

Minneapolis Electric and Construction Co. (W. C. Thompson, L. L. Sanford, G. M. Jones), electric supplies and construction, 27 South 4th street, Minneapolis, Minn. K K G.

Mintie, A. C., Secretary and Treasurer the Electrical Appliance Manufacturing Co., Waterbury, Conn.

Missouri and Kansas Telephone Co. (John R. Mulrane, President; Wm. Wiley Smith, Secretary and Superintendent; N. R. Ferguson, Treasurer; C. W. McDaniel, Superintendent), Wales Building, Kansas City, Mo. 75.

Missouri Valley Electric Co. (A. Garnier, Jr., President; J. Garnier, Treasurer), bell hangers, 517 Minnesota avenue, Kansas City, Kan. D Q.

Mitchell, C. M., President Bridgeport Brass Co., Bridgeport, Conn.

Mitchell, D. L., Promoter of Electric Company, 80 School street, Taunton, Mass. 75.

Mitchell, J. M., President of the Safety Electric Railway and Power Co., also Safety Electric Power Co. and Safety Electric Construction Co., New York, N. Y.

Mitchell, S. A. (Dier, Hartford & Mitchell), Kansas City, Mo.

Mitchell, Sidney Z., electrical expert, N. W. Thomson-Houston Co., Seattle, Wash.

Mitchell, Willis, Superintendent of Butterfield & Mitchell Electric Cooking and Heating Co., Waterville, Maine.

Mix, Edgar W., Electrician Thomson-Houston Electric Co., Lynn, Mass.

Mixer, Charles A., Constructing Engineer, 45 Westminster, Providence, R. I. 40.

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Moen, P. W., General Superintendent Washburn & Moen Manufacturing Co., Worcester, Mass.

"Modern Light and Heat" (C. M. Ransom, Treasurer; R. F. Ross, Manager), 146 Franklin street, Boston, Mass.

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Moffett, Hodgkins & Clarke (J. F. Moffett, H. C. Hodgkins, C. E.; J. V. Clarke, C. E.; G. T. Moffett), engineers and contractors, S. Salina street, Syracuse N. Y., 84½ Pine street, N. Y., 720 Opera House, Chicago, Ill. Z Z H.

Moffett, J. F. (Moffett, Hodgkins & Clarke), Syracuse, N. Y.

Molecular Storage Battery Co. (J. Wesley Kimball, L. S. Carter, Orazio Lugo), manufacturers of storage batteries, 95 Milk street, Boston, Mass. 44.

Molera, E. J., civil and electrical engineer, 40 California street, San Francisco, Cal. 40.

Molloy, H. H., dealer in medical batteries, 242 Nicollet avenue, Minneapolis, Minn. M G 7.

Moncrief, Chas. (Moncrief & Edwards), Brooklyn, N. Y.

Moncrief & Edwards (Chas. Moncrief and H. M. Edwards) bell hangers, 1285 Broadway, Brooklyn, N. Y. P G.

Monitor Electric Co. (G. A. Harmount, General Manager), manufacturers of electrical supplies, 189 Wabash avenue, Chicago, Ill. Q 85.

Monkhouse, Thos. W., dealer in supplies, 720 Sansom street, Philadelphia, Pa. 75.

Montgomery, W. W., General Manager American Electric Register Co., Boston, Mass.

Mooney, J. E., President Queen City Electric Co., Cincinnati, Ohio.

Moore, Alfred F. (Alfred F. Moore, Charles C. King, Antoine Boumonville), manufacturer of insulated electric wire, 200–202 N. 3d st., Philadelphia, Pa. W H.

Moore Bros. (John L. Moore, Erastus D. Moore), dealers in electrical supplies, 108 Liberty street, New York City. Q.

Moore, Erastus D. (Moore Bros.), New York, N. Y.

Moore, F. L., dealer in bells, etc., 262 Main street, Springfield, Mass. T 54.

Moore, Jos. B., President Commercial Electrical Co., Detroit, Mich.

Moore, John J., 425 East 24th street, New York City. P F.

Moore, John L. (Moore Bros.), New York, N. Y.

Moore, R. W. (Terre Haute District Telegraph and Electric Supply Co.), Terre Haute, Ind.

Morey, David, Treasurer National Electric Manufacturing and Construction Co., New York.

Morgan, James (the Denver Novelty Works), retail dealer in belts, etc., 1420 Lawrence street, Denver, Col.

Morgan, John C., bell hanger, 5 Coulter street, Philadelphia, Pa. 75.

Morgan, Percy T., President Electric Development Co., San Francisco, Cal.

Morgan, Wm. T., Secretary and Treasurer Automatic Switch Co., Baltimore, Md.

Morris, E. P., President of Novelty Supply Co., Cincinnati, Ohio.

Morris, Henry G., engineer and machinist, 926 Drexel Building, Philadelphia, Pa. 40.

Morris, Tasker & Co., Manufacturers of iron electric light and street railway poles, 224 South Third street, Philadelphia, Pa. X X H.

Morrison & Co., bell hangers, 308 Chestnut street, Philadelphia, Pa. 75.

Morrison, Geo. H., mechanical engineer, 6 Federal street, Boston, Mass. 40.

Morrison, J. Frank (Southern Electric Co.), Baltimore, Md.

Morrison, W. J., Agent Ft. Wayne Electric Co., 115 Broadway, New York.

Morse, Chas. F., electrician, 10 Middle street, Lowell, Mass. 40.

Morse, C. M., General Manager of Electric Service Co. of Buffalo, Buffalo, N. Y.

Morse, C. S., Assistant Treasurer and Superintendent of the Aluminum Brass and Bronze Co., Bridgeport, Conn.

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Morton, Nathaniel (Bradford, Kyle & Co.), Plymouth, Mass.

Moses, Galen C. (Bath, Maine), President of Eastern Electric Construction Co., Portland, Me.

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Mosscrop, Wm. A., Superintendent of Construction Woodbridge & Turner, New York, N. Y.

Mott, C. A., bell hanger, 485 Nostrand avenue, Brooklyn, N. Y. E Q.

Mott, L. S., Secretary Anglo-American Electric Light Manufacturing Co., New York.

Mottram, W. T. M., electrical engineer and contractor, Dallas, Tex. P G.

Moulton, A. A., Treasurer and Superintendent of United Electric Co., Salt Lake City, Utah.

Moulton, F. W., Secretary American Automatic Protector Co., Washington, D. C.

Muckle, M. R., Jr., & Co., electrical contractors, Philadelphia, Pa. S G.

Mulvane, John R., President of Missouri and Kansas Telephone Co., Kansas City, Mo.

Mumford, S. R., President Fisher Electric Co., Detroit, Mich.

Mundy, W. H., Secretary the Ohio Valley Telephone Co., Louisville, Ky.

"Municipal Lighting," published by the Fred H. Whipple Co., Detroit, Mich.

Municipal Signal Co., The (Albert A. Pope, President; Geo. W. Gregory, Treasurer; John C. Wilson, Vice-President), manufacturers of police and fire alarm systems, 79 Franklin street, Boston, Mass. W H.

Munsell, H. M., Vice-President Anglo-American Electric Light Manufacturing Co., New York.

Murphy, Roscoe, bell hanger, 366 West 27th street, New York, N. Y. 75.

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Murray, Ed. F., President National Electric Manufacturing and Construction Co., New York.

Murray, Jas. J., & Co., manufacturers of globes, Trenton avenue, Philadelphia, Pa. V G.

Murray, John A. (Murray & Tregurtha), Boston, Mass.

Murray & Tregurtha (John A. Murray, A. T. Tregurtha), machinists, electrical and experimental dynamos, etc., 1 Hartford street, Boston, Mass. 75.

Musselman, V. P., Cashier of the Nebraska Telephone Co., Omaha, Neb.

Myers, A. B., Treasurer Wisconsin Storage Battery Co., Milwaukee, Wis.

Myers, M. J., President of the Electric Supply Co. of Syracuse, Syracuse, N. Y.

Myers, M. Jervis, Electrician and Manager of the Electric Supply Co. of Syracuse, Syracuse, N. Y.

N.

Nashville Electric Time Co., 66 Cole Building, Nashville, Tenn. L F.

National Automatic Fire Alarm Co., manufacturers of fire alarms, 12 Brown Building, Buffalo, N. Y. F 85.

National Automatic Fire Alarm Co. (J. W. Tillinghast, President; P. P. Bevitis, Vice-President; J. A. Pferd, Secretary and Treasurer; M. Buell, manager), manufacturers of automatic fire alarms, Brown's Building, Buffalo, N.Y. W F.

National Carbon Co., The (W. H. Lawrence, President; B. F. Mills, Vice-President; W. C. Hayes, Treasurer; H. E. Hackenberg, Secretary), manufacturers of carbons, 40 Willson avenue, Cleveland, Ohio. Y H.

National Conduit Manufacturing Co., The (C. H. Jackson, President; Edward S. Perot, Vice-President and Manager; Jas. P. McQuaide, Secretary and Treasurer), manufacturers of underground conduits, 41 Park Row, New York. W G.

National Electric Construction Co., The (Gen. Benj. F. Butler, President; Andrew

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Washburn, Vice-President; Linus M. Child, Treasurer; Fred. M. Smith, Secretary; Geo. H. Drew, General Manager; Geo. A. Beatey, Manager Electrical Department), organized for construction of electric plants and street railways, 620 Atlantic avenue, Boston, Mass. R G.

National Electric Company (F. G. Warrell, Proprietor), dealer in bells, etc., 1231 Filbert street, Philadelphia, Pa. K K G.

National Electric Co., Limited (George Weber, President; A. C. Frey, Secretary), electrical engineers and dealers in electrical goods, 16 Sixth street, Pittsburgh, Pa. M G.

National Electric Headlight Co. (R. B. F. Peirce, President and General Manager; L. A. Boyd, Secretary; Geo. C. Pyle, Electrician), manufacturers of locomotive headlights, Indianapolis, Ind. G 65.

National Electric Manufacturing Co. (H. H. Hayden, President; Fitch Gilbert, Vice-President; R. E. Rust, Secretary; Geo. T. Thompson, Treasurer; Geo. B. Shaw, General Manager), manufacturers of dynamos and motors, Ninth avenue and Broadway, Eau Claire, Wis. W H.

National Electric Manufacturing and Construction Co. (Ed. F. Murray, President; Zack. Latshaw, Vice-President and General Manager; David Morey, Treasurer), 50 Broadway, New York. 75.

National Electric Protector Co. (H. Stutzer, Jr., President; E. C. Bridgman, Vice-President; E. C. Halsey, Secretary and Treasurer), electrical protectors, 18 Broadway, New York. Z Z G.

National Engineering Bureau (George S. Baker, President; Jas. A. Lonesbury, Secretary; Thos. G. Grier, Treasurer), electrical and mechanical engineering, 331 The Rookery, Chicago, Ill. P G.

National Galvanic Battery Co., The (J. R. Murdock, President; Miles T. Watts, Secretary and Treasurer), manufacturers of galvanic batteries, 171 Plum street, Cincinnati, Ohio. G 75.

National Subway Co. (Alfred Cowles, President; W. K. Nixon, Vice-President; F. A. Hecht, Secretary and Treasurer), manufacturers of electrical conduits, Commercial Bank Building, Chicago, Ill. 75.

National Telephone Manufacturing Co. (Woodward Emery, President; S. K. Roberts, Treasurer; Jno. B. Bennett, Manager), manufacturers of Bennett's Champion Non-Electric Telephones, 620 Atlantic ave., Boston, Mass. G 85.

Nason Fire Alarm Co. (Preston Nason, owner), 21 School street, Boston, Mass. Q 85.

Nason, Preston (owner of Nason Fire Alarm Co.), Boston, Mass.

Nau, Louis, with E. Baggott, Chicago, Ill.

Nau, Otto, with E. Baggott, Chicago, Ill.

Neale & Goulding, dealers in electric supplies, 171 Main street, Worcester, Mass. P G 150.

Nebraska Telephone Co., The (S. H. H. Clark, President; C. E. Yost, Vice-President and General Manager; Flemon Drake, General Superintendent; L. H. Korty, Secretary and Treasurer; V. P. Musselman, Cashier), Omaha, Neb. X H.

Nesmith, S. D., dealer in electric supplies, Adrian, Mich. 75.

Nevens, F. W., President, Carpenter-Nevens Electric Heating Co., Minn.

New Bedford Gas Light Co., dealers in electric light fixtures, 73 William street, New Bedford, Mass. 22 H.

New Brighton Glass Co., manufacturers of electric glassware, New Brighton, Pa.

New Century Electric Co., The (Thos. G. Brown, President; Wm. A. Brown, Treasurer), manufacturers of motors and dynamos, 2 Bethune street, New York, N. Y. G 85.

Newell, Arthur J., Electrical Engineer R. T. Oakes & Co., 184 Beech st., Holyoke, Mass.

Newell, C. H., & Co. (C. H. Newell), dealers in electrical supplies, 125 North Franklin street, East Saginaw, Mich. T 70.

New England Electric Co. (Geo. F. Steele, President; Edward Blake, Treasurer and General Manager), agents for Sprague Electric Motor, 12 Post Office square, Boston, Mass. N G.

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New England Electrical Safety Co. (C. F. Atherton, Treasurer; just organizing), 7 Exchange Place, Boston, Mass.

New England Port Electric Co. (J, T. Williams, President; Thos. W. Bicknell, Secretary and Treasurer; Prof. A. E. Dolbear, Electrician), manufacturers of electric carriages for mail or packages delivery, an elevated system, 31 Milk street, Boston, Mass. M G 27.

New England Pottery Co. (Thos. Gray and L. W. Clark), manufacturers of porous cells, 146 Condor st., E. Boston, Mass. F 85.

New England Printing Telegraph Co. (F. B. Dole, President; R. H. Waters, Treasurer; M. W. Brown, General Manager; C. F. Hutchinson, General Superintendent), manufacturers and dealers in electrical typewriters, 118 Devonshire street, Boston, Mass. G 85.

New England Telephone and Telegraph Co. (Thomas Sherwin, President; H. S. Hyde, Vice-President; Jasper N. Keller, General Manager; Wm. R. Driver, Treasurer; F. J. Boynton, Auditor; C. B. Wells, Cashier), 50 Pearl street, Boston, Mass. X X X H.

New England Weston Electric Light Co., The (Moses Williams, President; J. H. Alley, Secretary; A. Robeson, Treasurer), electrical contractors, 18 Post Office square, Boston, Mass. G 85.

New England Wiring and Construction Co. (S. B. Paine, President; W. H. Francis, Treasurer; Arthur R. Bush, Superintendent and Electrician), electrical engineers and contractors, 38 Pearl street, Boston, Mass. R F

New Haven Electric Co., dealers in electrical supplies, 215 George street, New Haven, Conn. G 85.

New Haven Insulated Wire Co. (C. I. Hague, W. H. Bean), manufacturers of insulated wire and cables, corner Henry and Market streets, New Haven, Conn. V G.

New Jersey Electrical Co. (W. G. Hainski, Seymour Tucker), bell hangers, 921 Broad street, Newark, N. J. 75.

Newton, A. D., Secretary and Treasurer of the Eddy Electric Manufacturing Co., Windsor, Conn.

Newton, Dr. Isaac, electric treatment, 584 Fulton street, Brooklyn, N. Y. K K G.

New York Carbon Co. (Albert Storer, President; Henry Miller, Jr., Secretary), manufacturers of carbon plates, 18 Cortlandt st., New York City. P P G.

New York and Brooklyn Electric Co. (Thos. Wilson, sole owner), manufacturer of medical batteries, 262 Gates avenue, Brooklyn, N. Y. R R G.

New York Electric Manufacturing Co. (Augustus Noll, President and General Manager; Chas. L. Eidlitz, Vice-President and Treasurer; Randolph Schriber, Secretary), contractors and manufacturers of motors, dynamos, 10 W. 20th street, New York City. W G.

New York Insulated Wire Co. (R. E. Gallagher, Secretary; W. B. Dowse, General Superintendent; J. W. Godfrey, General Manager), manufacturers of Grimshaw wires and cables, 649 Broadway, New York. G 75.

New York and Pennsylvania Telephone and Telegraph Co. (Charles F. Cutler, President; H. L. Storke, Vice-President; H. F. Stevens, Secretary; David B. Parker, Treasurer; W. W. Easterbrook, General Manager), 18 Cortlandt street, New York, N. Y. W H.

Nichols, Arthur E., student in electrical engineering, Columbia College, New York, N. Y.

Nichols, Edward L., Professor of Physics, Cornell University, Ithaca, N. Y.

Nichols, Henry N., Treasurer of Boston Electric Valve and Motor Co., Boston, Mass.

Nicols, P. D., Agent Thomson-Houston Electric Co. Railway Department, Pittsburgh, Pa. R R G.

Nicholson, C. A., General Manager of Central New York Telephone and Telegraph Co., Utica, N. Y.

Nickerson, J. A. (Leckie Manufacturing Co.), Boston, Mass.

Nier, Hartford & Mitchell (J. W. Nier, R. F. Hartford, S. A. Mitchell), electrical engineers, Richardson Block, Chattanooga, Tenn., and 9 Hall Building, Kansas City, Mo. 40.

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Nier, J. W. (Nier, Hartford & Mitchell), 9 Hall Building, Kansas City, Mo.

Nightingale, S. C., & Childs, manufacturers magnesia insulators, 134 Pearl street, Boston, Mass. E F.

Nightingale, Thos. P., dealer in bells, etc., 196 Genesee street, Utica, N. Y. N F.

Nixon, W. K., Vice-President National Subway Co., Chicago, Ill.

Noble, J. E., dealer in bells, etc., 69 Garden street, Fort Wayne, Ind. B F.

Noel, O. F., President of East Tennessee Telephone Co., Nashville, Tenn.

Noll, Augustus, President and General Manager New York Electric Manufacturing Co., New York City.

Nolly, E. P., President of Electric Gas Oil Co., Springfield, Mass.

Norcross, O. W., President Franklin Electrical Company, Peabody, Mass.

Norman, W. S., dealer in electrical goods, Eugene, Ore. 75

North, C. H., repairer of magneto bells, 46 South Water street, Cleveland, Ohio. M G.

North American Construction Co., The (James S. Humbird, President; Frank S. Marr, Vice-President and General Manager; H. M. Doubleday, General Superintendent; Paul Windsor, Assistant General Superintendent; R. D. McGonnigle, Secretary and Treasurer; H. G. McGilton, Auditor; J. H. Wells, General Agent; Thomas Spencer, Chief Electrician), general contractors, Westinghouse Building, Pittsburgh, Pa.

Northern New York Telephone Co,, The (Benj. F. Sargent, President; R. A. Maxfield, Treasurer and Secretary), Lowell, Mass. 75.

Northwest Electric Supply and Construction Co. (W. J. Grambs, President; C. H. Huggins, Secretary and Treasurer), dealers in electric supplies, 711 3d street, Seattle, Washington. Have branch houses, 7 Washington street, Portland, Ore., and 207 9th street, Tacoma, Washington. V V G.

Northwest Thomson-Houston Electric Co. (E. R. Gilman, President; W. D. De Celle, Secretary; Geo. C. Duffie, Treasurer; H. K. Gillman, General Manager), sole agents for the Thomson-Houston Electric Co., 403 and 405 Sibley street, St. Paul, Minn. Z Z H.

Northwestern Telephone Exchange Co. (Levi Sprague, President, Lowell, Mass.; Chas. J. Gliddess, Secretary and Treasurer, Lowell, Mass.; J. P. McKinstry, General Manager, Cleveland, Ohio; J. E. Farnsworth, General Auditor, Austin, Texas; C. P. Wainman, General Superintendent, Minneapolis, Minn.), 4th street, between Nicollet and 1st avenue, Minneapolis, Minn. Y H.

Norwich Insulated Wire Co., The (Louis D. Beck, President; Anthony Dey, Vice-President; J. B. Atherton, Secretary and Treasurer), manufacturers of insulated cables, 58 Cedar street, New York, N. Y.

Novelty Electric Co. (Chas. E. Trump, President and General Manager; Frank J. Firth, Secretary and Treasurer), manufacturers and dealers in electrical supplies, 50, 52 and 54 North 4th street, Philadelphia, Pa. S S H.

Novelty and Electric Co. (Jas. D. Randall, President and Manager; H. J. How, Secretary), dealers in bells, etc., 388 2d street, Memphis, Tenn. F 85.

Novelty Electrical Supply Co. (E. P. Morris, President; P. B. Chancy, Secretary), manufacturers of electric light and railway supplies, 88 Coleman street, Cincinnati, Ohio. G 85.

Novelty Manufacturing Co. (J. W. Macrum and Pierre Mequillet), retail dealers in general supplies, bells, etc., 1520 Lawrence street, Denver, Col. P G.

Nowatry Electric Co. (Jno. D. Nowatry and Lee R. Keck), manufacturers of Nowatry Battery and dealers in electric supplies, 80 East Pearl street, Cincinnati, Ohio. K K G 82.

Nowatry, Jno. S. (Nowatry Electric Co.), Cincinnati, Ohio.

Noxon, J. J. (Noxon & Whitney), Middletown, Conn.

Noxon & Whitney (J. J. Noxon, W. S. Whitney), dealers in electric supplies, Middletown, Conn. P P G.

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O.

Oakes, Roland T. (Roland T. Oakes & Co.), Holyoke, Mass.

Oakes, Roland T., & Co. (Roland T. Oakes, Arthur J. Newell), contractors for electrical work, 366 High street, Holyoke, Mass. N G.

Oakland, H. W., Superintendent Stewart Electric Co., Denver, Col.

O'Brien, Richard, Vice-President Central Pennsylvania Telephone and Supply Co., Williamsport, Pa.

Ockershausen, H. A., electrical engineer, 65 Madison avenue, Jersey City, N. J. 40.

O'Dea, M., Electrician University of Notre Dame, Notre Dame, Ind.

O'Hara, J. B., staff "Western Electrician," Chicago, Ill.

Ohio Valley Electrical Co., Cincinnati, Ohio. 75.

Ohio Valley Telephone Co., The (J. B. Speed, President; Jas. Clark, Vice-President and Treasurer; H. N. Gifford, General Manager and Assistant Treasurer; W. H. Mundy, Secretary), 444 West Jefferson street, Louisville, Ky. G 85

Okonite Co., The (Charles A. Cheever, President; Willard L. Candee, Treasurer; H. Durant Cheever, Secretary; F. Cazenove Jones, General Superintendent), manufacturers of insulated wires and cables, 13 Park Row, New York City. Z Z H.

Olenin, Alex., bell hanger, 1375 9th avenue, New York City. T.

Oliver, Wm. G., Secretary and Treasurer Pacific Telephone and Telegraph Co., San Francisco, Cal.

O'Neil, J. C., trading as Electrical Supply and Manufacturing Co., Cleveland, Ohio.

Opperman, A. T., Manager Chicago Incandescent Lamp Co., Chicago, Ill.

O'Reilly, Andrew J., electrical engineer, 606 North 17th street, St. Louis, Mo. 40.

Orr & Howe Electric Co. (F. F. Howe and E. C. Carter), dealers in supplies, No. 423 Smithfield street, Pittsburgh, Pa. D D F.

Osborn, A. T., Treasurer of the Cowles Electric Smelting and Aluminum Co., Lockport, N. Y.

Osborn & Cheesman Co., manufacturers of electric goods, Birmingham, Conn. 75.

Osborn, W. T., & Co., dealers in electrical supplies, Rialto Building, Kansas City, Mo. F 85.

Osgood, C. B., Contracting Agent of Sprague Electric Equipment Co., The Rialto, Chicago, Ill.

Ostrander, W. R., & Co. (John B. Peck, agent for estate), dealers in electrical goods, 195 Fulton street, New York. S S H.

Ott, John (Baumann & Ott), St. Louis, Mo.

Otta, Herman H., mechanical engineer, 18 Dwight street, Holyoke, Mass. 40.

Owen, E. Fred, manufacturer of electric motors, 950 Main street, Campello, Mass. 75.

Owen, John G., dealer in poles, 306 Genesee ave., Saginaw, Mich. G.

Owen, T. D., Vice-President of the United Electric Co., Cleveland, Ohio.

Oxley, Giddings & Co., manufacturers of electroliers, 224 Canal street, New York, N. Y. G 85.

P.

Pacific Auxiliary Fire Alarm Co., manufacturers of fire alarm system, 323 Pine street, San Francisco, Cal. 65.

Pacific Electrical Storage Co., manufacturers of accumulators and general electrical business, 220 Sutler street, San Francisco, Cal. V G.

Pacific Electrical Works (C. A. Fisk, Proprietor), manufacturers of and dealers in electrical supplies, 408 J street, Sacramento, Cal. Q.

Pacific Telephone and Telegraph Co. (John R. Hudson, President; Oliver Eldridge, First Vice-President; Jno. I. Sabin, Second Vice-President and General Manager; Wm. G. Oliver, Secretary and Treasurer; Louis H. Jacobs, Superintendent), San Francisco, Cal. G 85.

Page, Chas. H., & Co., dealers in bells, etc., 28 Pearl street, Worcester, Mass. 75.

Page, Geo. T., Secretary and Treasurer, Royal Electric Co., Peoria, Ill.

Paine & Francis (Sidney B. Paine, Wm. H Francis), Agents for Edison Electric Co., 38 Pearl street, Boston, Mass. E F.

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Paine, S. B., President of New England Wiring and Construction Co., Boston, Mass.

Paiste, S. T., manufacturer of switches, 12th and Market streets, Philadelphia, Pa. G 85.

Palermo Mica Co., miners of mica, 27 Peck slip, New York, N. Y.

Pall Mall Electrical Association of London, The (Geo. A. Scott, Agent), dealers in electrical supplies, 824 Broadway, New York. G.

Palmer, A. C., electrical and mechanical engineer, 317 Genesee street, Utica, N. Y. 40.

Palmer, A. H., Superintendent and Electrician of Utica Fire Alarm Telegraph Co., Utica, N. Y.

Palmer Bros., manufacturers of dynamos, Miamis, Conn. 75.

Palmer, C. M., President Consolidated Temperature Controlling Co., Minneapolis, Minn.

Palmer, Don A., electrician, 6152 Stewart avenue, Englewood, Ill. (Chicago). 40.

Palmer, Harlow C., Secretary and Treasurer the Bell Telephone Co., of Buffalo, N. Y.

Palmer, H. E. W., representing Thomson-Houston Electric Co., Atlanta, Ga.

Palmer, Lowell M., Treasurer of the Electric and Machine Co., Boston, Mass.

Palmer, L. N., Treasurer Detroit Electrical Works, Detroit, Mich.

Palmer, W. B., electrical engineer, 155 Whitehall street, Atlanta, Ga. 40.

Pape, August, electrician, 3533 South Broadway, St. Louis, Mo. 40.

Parish Bros. & Peck Electrical Co. (R. A. Alger, President; J. C. McCall, Secretary; C. C. Chadwick, Manager), manufacturers of train signalling apparatus, Detroit, Mich. R F.

Parker, David B., General Manager the Metropolitan Telephone and Telegraph Co., and Treasurer New York and Pennsylvania Telephone and Telegraph Co., New York, N. Y.

Parker, F. E., Superintendent Wisconsin Telephone Co., Milwaukee, Wis.

Parker, J. H. (J. H. Parker Electrical Co.), St. Joseph, Mo.

Parker, J. H., Electrical Co. (J. H. Parker), dealers in electrical supplies, 501 Francis street, St. Joseph, Mo. 75.

Parker, J. W., representing the "C & C" Electric Motor Co., 38 South Fourth street, Philadelphia, Pa.

Parker, John W., bell hanger, 524 Spruce street, Philadelphia, Pa. 75.

Parker, Lewis, dealer in bells, 220 West Saratoga street, Baltimore, Md. 75.

Parker-Russell Mining and Manufacturing Co., manufacturers of carbons and battery material, St. Louis, Mo.

Parker, W. E., General Manager the "P. & T." Electrical Manufacturing Co., Buffalo, N. Y.

Parkin, Robert, President of Jackson Electric Engine Co., Boston, Mass.

Parks, C. William, electrician, 1825 Fifth avenue, Troy, N. Y. G.

Parks, Geo. A., Secretary of the Electric Gas Lighting Co., Boston, Mass.

Parlin, W. D., dealer in electric supplies, 25 Main street, Natick, Mass. V G.

Parmly, S. P., President of Sperry Electric Co., Chicago, Ill.

Parsell, Henry V., Jr., 31 East 21st st., New York.

Parshall, H. F., Electrician Sprague Electric Railway and Motor Co., 16 Broad street, New York, N. Y.

Parsons, W. H., dealer in electrical supplies, Watertown, N. Y. B G.

Partrick & Carter (Franklin S. Carter, Charles M. Wilkins, E. Ward Wilkins), manufacturers and dealers in electrical supplies, 114 South 2d street, Philadelphia Pa. 75.

Patten, F. Jarvis, consulting and constructing engineer, 47 Barclay street, New York. 40.

Patterson, A. H., General Manager Phoenix Glass Co., 729 Broadway, New York.

Paul, A. C., Treasurer and Attorney Consolidated Temperature Controlling Co., Minneapolis, Minn.

Paul, Chas. M., Electrician Weston Electrical Instrument Co., Newark, N. J.

Paul, L. T., Secretary and Treasurer the Electro-Dynamic Co., Philadelphia, Pa.

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Paulsen, William A., bell hanger, 811 Leffingwell avenue, St. Louis, Mo. 75.

Payne, G., bell hanger, Rome, N. Y. L F.

Payne, H. C., President Wisconsin Telephone Co., Milwaukee, Wis.

Paynter, W. D., Superintendent the Central District and Printing Telegraph Co., Pittsburgh, Pa.

Payson, S., bell hanger, 1 Dudley street, Providence, R. I. B G.

Payson, W. M., Secretary of Massachusetts Auxiliary Fire Alarm Co., Boston, Mass.

Peabody, Henry W., & Co., export merchants, 58 New street, New York; 70 Kilby street, Boston; Leadenhall House, London. W W H.

Peach, D. F., Assistant Treasurer Thomson-Houston Electric Co., Boston, Mass.

Pearce, E. W. (Pearce & Jones), New York, N. Y.

Pearce & Jones (E. W. Pearce, James Jones), manufacturers of electrical supplies, 77-79 John street, New York City.

Pearson, Fred S., Chief Engineer Electrical Departments West End Street Railway Co., 81 Milk street, Boston, Mass.

Pease, Chas. S., General Superintendent the Westinghouse Electric Co., Pittsburgh, Pa.

Peck, L., Vice-President Standard Paint Co., New York, N. Y.

Peck, Samuel C., Electrician Thomson-Houston Electric Co., Boston, Mass.

Peet, H. D., Business Manager of the "Pacific Lumberman, Contractor and Electrician," San Francisco, Cal.

Peet, Wm. L., Editor "Pacific Lumberman, Contractor and Electrician," 10 California street, San Francisco, Cal.

Pegram, Wm. M., Secretary Electro-Automatic Transit Co., Baltimore, Md.

Peirce, R. B. F., President and General Manager National Electric Head Light Co., Indianapolis, Ind.

Peninsular Electric Co. (C. A. Barry, President; E. D. Barry, Secretary and Treasurer), dealers in electric supplies, corner Ottawa and Fountain streets, Grand Rapids, Mich. Q 70.

Pennock, Homer, Vice-President Hicks Induction Light and Motor Co., Detroit, Mich.

Pennsylvania Telephone Co. (Francis Jordan, President; A. R. Shellenberger, Vice-President; Jos. R. Davis, General Manager; M. H. Buehler, Secretary and Treasurer), Harrisburg, Pa. Z Z H.

Pennycook, Wm. G., Superintendent J. M. Klein's Co., 720 Montgomery street, San Francisco, Cal.

Peoria Electrical Supply Co. (Isaac N. Feger), dealer in bells, etc., 112 North Adams street, Peoria, Ill. 75.

Pepper, David, Jr. (Clay & Pepper), Philadelphia, Pa.

Pepper, Frank, bell hanger, 115 East 3d street, Davenport, Ia. B Q 100.

Percival, George J., electrical engineer, 219 Mermod & Jaccard Building, St. Louis, Mo. D G.

Perkins, Charles B., dealer in bells, etc., 317 Main street, Springfield, Mass., also 284 High street, Holyoke, Mass. B F.

Perkins, E. C., Agent Boston Electric Co., 267 Westminster street, Providence, R. I.

Perkins Electric Lamp Co. (M. S. Chapman, President; W. G. Halm, Vice-President; C. T. Wells, Treasurer; J. J. Gates, Secretary and General Manager), manufacturers of incandescent lamps and sockets, 314 Pearl street, Hartford, Conn. V G.

Perkins, F. B., Proprietor Dupree Electrical Supply Co., Manchester, N. H. 75.

Perkins, Geo. F., bell hanger, 272 High street, next to City Hall, Holyoke, Mass. B Q.

Perkins, T. C., electrician, Hartford, Conn. R G.

Perot, Ed. S., Vice-President and General Manager the National Conduit Manufacturing Co., New York City.

Perry, D. P., Vice-President of Sperry Electric Co., Chicago, Ill.

Perry, Frank L., staff "Western Electrician," Chicago, Ill.

Pettifer, Thomas, model maker, 829 Sheriff street, Cleveland, Ohio. B B G.

Pettingell, Andrews & Co. (F. E. Pettingell, D. A. Andrews, D. A. An-

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drews, Jr., and C. B. Price), dealers in electric light and railway supplies, 196 Summer street, Boston, Mass. R R F.

Pettingell, F. E. (Pettingell, Andrews & Co.), Boston, Mass.

Peterson, C. G. A., Superintendent and Electrician of Providence Electric Co., Providence, R. I.

Pevear, H. A., President Thomson-Houston Electric Co. and Vice-President Thomson-Houston International Co., Boston, Mass.

Pfannkuche, Gustav, engineer and inventor, Cleveland, Ohio.

Pfarre, J. A., of Geo. Tiemann & Co., President the John A. Barrett Battery Co., Baltimore, Md.

Pferd, John A., Secretary and Treasurer National Automatic Fire Alarm Co., Brown's Building, Buffalo, N. Y.

Phelps, Charles, bell hanger, 84 Federal street, Salem, Mass. K K F.

Phelps, George M., President of the "Electrical Engineer," New York City.

Phillip, Wm., representing the North American Construction Co. in St. Louis, Mo.

Phillips, E. F., President and Manager of American Electrical Works, Providence, R. I.

Phillips Insulated Wire Co., coverers of wire, Pawtucket, R. I. V G.

Phillips, W. Y., Superintendent of International Porte Electric Co., New York, N. Y.

Phœnix Construction Co., contractors for New York Subway, 115 W. 38th street, New York City. 75.

Phœnix Glass Co., manufacturers of electric light shades, Pittsburgh, Pa., and 729 Broadway, N.Y. W W G.

Pickernall, F. A., Superintendent of Equipment American Tel. and Tel. Co., 18 Cortlandt street, New York, N. Y.

Pierce, Charles, & Co., bell hangers, 43 Charles street, Boston, Mass. M G 150.

Pierce, F. L., pattern and model works, 811 Santa Fe, Kansas City, Mo. 75.

Pierce, R. H., Agent United Edison Manufacturing Co., New Insurance Building, Milwaukee, Wis.

Pierce, O. D. (O. D. Pierce & Co.), Philadelphia, Pa.

Pierce, O. D., & Co. (O. D. Pierce, W. N. Pierce), electrical contractors, 36 S. 7th street, Philadelphia, Pa. 75.

Pierce, Wm. H., Superintendent of Marine Installations United Edison Manufacturing Co., New York, N. Y.

Pierce, W. N. (O. D. Pierce & Co.), Philadelphia, Pa.

Piernaux & Co. (Carl Schuman, Louis Yorston, electrical contractors and engineers, 20 East 17th street, New York City.

Pilley, W. J., Agent for New England for Card Electric Motor and Dynamo Co., of Cincinnati, Ohio; Fidelity Carbon Manufacturing Co., of St. Louis, Mo.; also Northeast correspondent of "Electric Age," of New York, Room 10, No. 146 Franklin street, and 149 Congress street, Boston, Mass.

Pinkham, C. S., Electrician and General Superintendent the Holtzer-Cabot Electric Co., Boston, Mass.

Pinkham Electric Co., The, dealers in electrical supplies, 27 South 11th street, Philadelphia, Pa. Q 85.

Pinkham Electric Gas Lighting Co., 531 Smithfield street, Pittsburgh, Pa. D G.

Piper, Geo. W., Treasurer of Gamewell Auxiliary Fire Alarm Co., Boston, Mass.

Pittsburgh Electric Co. (D. R. Warden and T. W. Kloman), electrical engineers and contractors, 531 Wood street, Pittsburgh, Pa. S G.

Pittsburgh Reduction Co., refiners of aluminum, 95 5th avenue, Pittsburgh, Pa. F 85.

Pizzini, A., Jr., Secretary Burton Electric Co., Richmond, Va.

Plainfield District Telegraph Co., Plainfield, N. J. T O.

Plunkington, Wm., President Johnson Electric Service Co., Milwaukee, Wis.

Platt, O. S., manufacturer of New England electric switches and electrical appliances, 102 Cannon street, Bridgeport, Conn. B B F.

Plattsmouth Lamp Manufacturing Co. (Timothy Clark, President; S. A. Davis, Secretary; J. F. Schaefer, Su-

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perintendent), manufacturers of incandescent lamps, Plattsmouth, Neb. 80.

Plimpton, Arthur L. (Electrical Engineering Co., Boston, Mass.), Engineer, West End Street Railway Co.

Plumb, Charles, manufacturing electrician and dealer in supplies, 89 Erie street, Buffalo, N. Y. L F.

Plume & Atwood Manufacturing Co. (Burr Tucker, President; D. S. Plume, Treasurer; S. T. Atwood, Secretary), Waterbury, Conn. X X H.

Plume, D. S., Treasurer Plume & Atwood Manufacturing Co., Waterbury, Conn.

Plush, Dr. S. M., electrician, 319 South 10th street, Philadelphia, Pa. 40.

Pollord, H. H. (Bateman & Pollord), New York.

Pond, A. C., President of the Simplex Electrical Co., Boston, Mass.

Poole, Cecil P., electrical engineer and contractor, 211 9th street, Lynchburg, Va. G 85.

Poole, W. C., Sole Owner of Wm. C. Poole & Co., Brooklyn, N. Y.

Poole, Wm. C., & Co. (W. C. Poole, Sole Owner), bell hanger, 751 Gates avenue, Brooklyn, N. Y. K F.

Pope, Albert A., President of the Municipal Signal Co., Boston, Mass.

Pope, C. F. (Charles F. Pope & Co.), Providence, R. I.

Pope, Charles F., & Co. (C. F. Pope, F. S. Rand), bell hangers, 33 Weybosset street, Providence, R. I. 200.

Pope, Franklin L., Expert for Westinghouse Electric Co., Elizabeth, N. J.

Pope, Ralph W., Secretary American Institute of Electrical Engineers, 5 Beekman street, New York, N. Y.

Polglass, P. H., electrical engineer and contractor, 205 North 17th street, Omaha, Neb. O G.

Pollard, U. A., General Manager Electric Fire Protective Co., New York, N. Y.

Porter, Geo. F., Agent Westinghouse Electric Co., Girard B'ld'g, Philadelphia, Pa.

Porter, W. M., Detroit Agent Central States District United Edison Manufacturing Co., 202 Griswold street, Detroit, Mich.

Passons, N. S., Superintendent Brush Electric Co., Cleveland, Ohio.

Passons, W. J., Assistant Superintendent Brush Electric Co., Cleveland, Ohio.

Potter, Dexter B., President of Providence Electric Co., Providence, R. I.

Potter, Isaac, President Providence Gas Burner Co., Providence, R. I.

Potter, J., Treasurer Brush Electric Co., Cleveland, Ohio.

Powell, J. E., Electrician Treasury Department, Washington, D. C.

Power, Horace W., Secretary the Cowles Electric Smelting and Aluminum Co., Lockport, N. Y.

Powers, Chas. E., President of Wm. Robinson Electric Motor Co., Boston, Mass.

Powers, E. L., publisher "Electrical Industries," 44 Lakeside B'ld'g, Chicago, Ill.

"Practical Electricity," published by Geo. L. Austin, 620 Atlantic avenue, Boston, Mass.

Pratt, A. N. (Gill & Co.), Brooklyn, N. Y.

Pratt, H. P., President Pratt Electro-Medical Co., Chicago, Ill.

Pratt, J. Howard, Jr., Professor of Physics, Jacksonville, Fla.

Pratt, Julius F., Vice-President Jenney Electric Motor Co., Indianapolis, Ind.

Pratt, O. H. (Russell, Pratt & Co.), Omaha, Neb.

Pratt, Robert J., electrician, Manager Electric Manufacturing Co., Troy, N. Y.

Pratt, R. N., Treasurer of the Johns Pratt Co., Hartford, Conn.

Preckle, W., electrician, Schenectady, N. Y. 75.

Prendergast, Chas. F., Secretary and Treasurer of Savannah Electrical Co., Savannah, Ga.

Prentis, F. H., President the Buckeye Electric Co., Cleveland, Ohio.

Prentis, V., manufacturer of electrical supplies, 174 Centre st., New York. E F.

Prescott, F. W. (Prescott & Co.), Boston, Mass.

Prescott, F. W. (F. W. Prescott), bankers and dealers in electric stocks, 54 Devonshire street, Boston, Mass. S S G.

Prescott, Geo. B., General Agent for A. G. Day (estate), New York, N. Y.

Prescott, Jeremiah, Secretary and Treasurer of Wm. Robinson Electric Motor Co., Boston, Mass.

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Preston Bros., dealers in electrical supplies, Norwich, Conn. G 85.

Preston, W. C., manufacturer electrical appliances, 120 Friendship street, Providence, R. I. B B Q.

Prince, Charles A., President of Gethins Electrical Manufacturing Co., Boston, Mass.

Price, C. B. (Pettingell, Andrews & Co.), Boston, Mass.

Price, Charles W., associate editor "Electrical Review," 13 Park Row, New York.

Prichard, C. A., bell hanger, 15 Bond street, New York, N. Y. M G.

Pride, Geo. H., electrician and general contractor, 9 Dey street, New York. M. F.

Prindle, F. C., Engineer and Superintendent Carolina Oil and Creosote Co., Wilmington, N. C.

Prindle, H. B., advertising department Thomson-Houston Electric Co., Boston, Mass.

Probasco, R. P., electric light and gas fixtures, 479 Wabash avenue, Chicago, Ill. G 85.

Providence Architectural Iron and Metal Works (Dexter Gordon, Proprietor), manufacturers of hoods for arc lamps, 288 Dyer street, Providence, R. I. 75.

Providence Construction Co. (Chas. S. Bush, President and Treasurer; J. M. Bush, Vice-President; Geo. S. Andrews, Secretary; E. W. Fyler, Electrician and Manager), electrical engineers and dealers in supplies, 20 Exchange Place, Providence, R. I. P P G.

Providence Electric Co. (Dexter B. Potter, President; E. A. Smith, Treasurer; Fred P. Eddy, Secretary; G. S. A. Peterson, Superintendent and Electrician), manufacturers of electric clocks, 54 Westminster street, Providence, R. I. P P F.

Providence Electrical Supply Co. (Geo. H. Thurston, Walter I. Thurston), manufacturers of electrical supplies, 59 South Main street, Providence, R. I. Q.

Providence Gas Burner Co. (Isaac Potter, President; Geo. Walker, Vice-President; W. D. Mason, Secretary and Superintendent; F. H. Manchester, Treasurer), manufacturers of sockets for electric lamps, 57 Clifford street, Providence, R. I. S S H.

Providence Telephone Co. (Henry Howard, President; Henry C. Cranston, Vice-President; Charles T. Howard, Secretary and Treasurer; Henry H. Harris, Assistant Secretary and Treasurer; A. C. White, Superintendent), Rooms Nos. 24, 25 and 27 Butler Exchange, Providence, R. I. Z Z H.

Pulsifer, N. T., General Manager of the Mather Electric Co., Manchester, Conn.

Pulsion Telephone Co., The (J. H. Goodspeed, President; S. W. Lord, Treasurer; F. A. Hanaford, Superintendent of Construction; C. H. Whiting, Superintendent), manufacturers of Pulsion Telephones, 13 School street, Boston, Mass. Q.

Pulvermacher Galvanic Co., manufacturers of galvanic apparatus, Cincinnati, Ohio. W H.

Pumpelly Storage Battery and Electric Motor Co. (Abner Crossman, President; S. Havenrick, Vice-President; E. H. Hill, Secretary and Manager), manufacturers of the Pumpelly Storage Battery, 229 La Salle street, Chicago, Ill. G 85.

Pupin, Michael I., Instructor in Mathematical Physics Columbia College, New York City.

Purdy, Fred, electrician, 170 State street, Chicago, Ill. 40.

Purington, C. E., electrical engineer, 131 Fair Oaks street, San Francisco, Cal. 40.

Putnam, N. W., & Co., electrical contractor, 26 Church street, New York City. X H.

"P. & T." Electrical Manufacturing Co., The (W. E. Parker, General Manager; H. E. Temple, Electrician), electrical repairs, 9 and 11 Douglass street, Buffalo, N. Y. B F.

Pyle, Geo. C., Electrician of National Electric Headlight Co., Indianapolis, Ind.

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Q.

Quaker City Electric Co., The (W. Beaumont Whitney, President; Wm. S. Jones, Secretary and Treasurer; J. M. Crowther, General Superintendent and Electrician), manufacturers of dynamos and motors, 49 North 7th street, Philadelphia, Pa. P G.

Queen City Electric Co. (J. E. Mooney, President; H. G. Lyman, Secretary; L. W. Davis, Superintendent), manufacturers of dynamos and motors, 58 and 60 Longworth street, Cincinnati, Ohio. R H.

Queen, James W., & Co., manufacturers of electrical test instruments, 924 Chestnut street, Philadelphia, Pa. Z Z H.

Quimby, William C., electrical engineer, 433 California street, San Francisco, Cal. 40.

R.

Rae, Frank B., Electrical Engineer Detroit Electrical Works, and Inventor of the National Electric Railway System, Detroit, Mich.

Ramsay, John, dealer in bells, 108 Clay street, Baltimore, Md. 75.

Rand, F. S. (Charles F. Pope & Co.), Providence, R. I.

Randa, Otto, manufacturer of electrical instruments, 181 William street, New York City. D F.

Randall, James D., President and Manager Novelty and Electric Co., Memphis, Tenn.

Randall, John E., Incandescent Lamp Department Thomson-Houston Electric Co., Lynn, Mass.

Randolph, F. E., Secretary and Treasurer of the River and Rail Electric Co., New York, N. Y.

Ransom, C. M., Treasurer "Modern Light and Heat," Boston, Mass.

Rapp, Jacob, bell hanger, Opera House Block, Burlington, Iowa. B B G.

Rasin, W. I., Secretary of the Wenstrom Consolidated Dynamo and Motor Co., Baltimore, Md.

Rawlings, Fred, bell hanger, Smith Bend, Ind. 75.

Raymond, C. W., Agent Ball Electric Co., 39 Dearborn street, Chicago, Ill.

Raymond Electric Co. (W. I. Raymond, Manager), dealer in electrical appliances, 501 Chestnut street, Philadelphia, Pa. M G.

Raymond, W. I., Manager of Raymond Electric Co., Philadelphia, Pa.

Rayner, W. H., dealer in platinum, 25 Bond street, New York, N. Y.

Razee, L. E., Proprietor of Mansfield Electric Co., Boston, Mass.

Rear, William, bell hanger, 405 Union street, Nashville, Tenn. 75.

Reckenzaun, Frederick, electrician, Box 225, West Hoboken, N. J. H 40.

Redding Electric Co. (Harvey Redding, President, Jerome Redding, Treasurer), electrical engineers and contractors, 48 Hanover street, Boston, Mass. P P F.

Redding, Harvey, President of Redding Electric Co., Boston, Mass.

Redding, Jerome, Treasurer of Redding Electric Co., Boston, Mass.

Redpath, Irwin, Proprietor Western Pennsylvania Electric Co., Pittsburgh, Pa.

Reece, A. H., Agent United Edison Mfg. Co., 49 Turner Building, St. Louis, Mo.

Reed, C. N., Treasurer and Secretary of Safety Electric Light Co., Boston, Mass.

Reed, Henry A., Secretary and Manager of Bishop Gutta-Percha Co., New York City.

Reed, W. F., Secretary and Treasurer of the River and Rail Electric Co., Denver, Col.

Reichardt, P. H., Vice-President of Western Electrical Supply Co., St. Louis, Mo.

Reid, J. H., representing Mather Electric Co., corner of La Salle and Randolph streets, Chicago, Ill.

Reilly, John C., General Superintendent New York and New Jersey Telephone Co., and Secretary of Elektron Manufacturing Co., 16 Smith street, Brooklyn, N. Y.

Reilly, John W., electrical engineer, Wilmington, N. C. 40.

Reilley, W. E., Secretary of Fisher Electric Co., Detroit, Mich.

Reinhold, Herman, bell hanger, 313 Harrison street, Davenport, Ia. A A Q 100.

Reinmann, A. L., electrician, Breckenridge avenue, Pittsburgh, Pa. W H.

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Reitz, Charles, manufacturer of electrical apparatus for medical use, 141 Virginia avenue, Indianapolis, Ind. E F.

Reliance Electric Co., dealers in supplies, 720 Sansom street, Philadelphia, Pa. F 85.

Remington, Geo. H. (Remington & Henthorn), Providence, R. I.

Remington & Henthorn (Geo. H. Remington and John T. Henthorn), mechanical engineers, 146 Westminster street, Providence, R. I. L G.

Rennie, A. H., 171 Broadway, New York. T O.

Rettich, Frank D., dealer in electrical apparatus, Cincinnati, Ohio. 75.

Rewmau, Paul, local manager of the Black Hills Telegraph and Telephone Co., Dover, Minn.

Reynolds, H. B., Secretary of Kirwan Electrical Station Indicator Co., Wilkesbarre, Pa.

Reynolds, W. H., manufacturer electric lighting apparatus, Tacoma Park, Washington. Q.

Rheen, L. M., President Midland Electric Co., Omaha, Neb.

Rhode Island Electric Protective Co., The (H. S. Dorchester, President; H. C. Roome, Vice-President; E. M. Carhart, Secretary and General Manager), general electrical and alarm workers, 18 Custom House street, Providence, R. I. 75.

Rhode Island Telephone and Electric Co. (Henry Howard, President; C. T. Howard, Treasurer; H. A. Breckenridge, Superintendent), manufacturers and dealers in electric supplies, 13 Mason street, Providence, R. I. R G.

Rhoads, H. R., President Central Pennsylvania Telephone and Supply Co., Williamsport, Pa.

Rhodes, Chas. M., President of the Rhodes Manufacturing Co., Philadelphia, Pa.

Rhodes, F. H., Vice-President of Rhodes & Keese Electric Co., Los Angeles, Cal.

Rhodes & Keese Electric Co. (S. J. Keese, President; F. H. Rhodes, Vice-President; W. J. Keese, Secretary), dealers in electrical supplies, 20 South Main street, Los Angeles, Cal. 67.

Rhodes Manufacturing Co., The (Chas. M. Rhodes, President; M. E. Clark, Treasurer; Wm. B. Buchanan, Secretary), manufacturers of dynamos and motors, 918-922 Vine street, Philadelphia, Pa. R R G.

Rhodes, R. C., representing the North American Construction Co. in Minneapolis, Minn.

Rhotenhamel, J. H., President of the Columbia Incandescent Lamp Co., St. Louis, Mo.

Rice, E. Wilbur, Jr., General Superintendent and Consulting Electrician Thomson-Houston Electric Co., Lynn, Mass.

Rice, Henry G., with Standard Thermometer Co., Peabody, Mass.

Rice, L. C., retail dealer in and constructor of electrical supplies, 1762 Blake street, Denver, Col. B B F.

Rich, Charles F. (Macdonald Bros. & Co.), Detroit, Mich.

Rich & Hold, dealers in electrical appliances, etc., 113 Francis street, Jackson, Mich. B Q.

Rich, Wm., President of Consolidated Electric Manufacturing Co., Boston, Mass.

Richards, E. O., Secretary of the Automatic Fire Alarm and Extinguisher Co., Boston, Mass.

Rickett, F. M., Co., Limited (J. A. Seeley, President and Treasurer; W. G. Sellers, Secretary), laying marine cable, 24 Cortlandt street, New York City. P P G.

Ridall, John E., representing Brush Electric Co., 47 Fifth avenue, Pittsburgh, Pa.

Ridlon, Frank, President of Wright Electrical Engineering Co., Boston, Mass.

Rider, W. E., President of Carter Ore Separating and Mining Co, New York, N. Y.

Ridlon, Frank, & Co., dealers in second-hand apparatus, 193 Summer street, Boston, Mass. G 85.

Riehl, John B., manufacturer of scientific instruments, 1018 Chestnut street, Philadelphia, Pa. 75.

Ries, Elias E., electrician and electrical engineer, 430 South Broadway, Baltimore, Md.

Riggs, E. S., Assistant Treasurer the E. S. Greely & Co, New York City.

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Riker, Andrew L., Sole Owner of Riker Electric Motor Co., Brooklyn, N. Y.

Riker Electric Motor Co. (Andrew L. Riker, Sole Owner), manufacturers of electric motors, 45 York street, Brooklyn, N. Y. M F.

Ripley, Dwight, manufacturer of patented speed motors, 60 Laight street, New York, N. Y.

Ripley, H. C., dealer in poles, East Saginaw, Mich. 75.

Ritchie, E. S., & Sons, manufacturers of instruments, Brookline, Mass. S S H.

River and Rail Electric Co., The (Geo. L. Wright, President; Albon Marr, Vice-President; F. E. Randolph, Secretary and Treasurer; E. J. Horton, Assistant Manager; Wm. Main, Electrician), manufacturers of motors, batteries and car machinery, 45 Broadway, New York, N. Y. 75.

River and Rail Electric Co., The (O. Metcalf, Pittsburgh, President; Edward Ferris, Vice-President; W. F. Reed, Secretary and Treasurer; L. P. Martin, General Manager), licensee of the River and Rail Electric Co., of Brooklyn, N. Y., and agents for and dealers in general electrical specialties, 1817 Larimer street, Denver, Col. V H 6.

Robbins, A. B., Vice-President Consolidated Temperature Controlling Co., Minneapolis, Minn.

Robbins, W. H., & Bros., dealers in poles, Wilmington, N. C. 75.

Roberts, Arthur P., Auditor the Bell Telephone Co. of Buffalo, Buffalo, N. Y.

Roberts-Brevoort Electric Co., Limited (Edmund Tweedy, President; C. H. Merritt, Vice-President; Saml. B. Lawrence, Secretary; B. T. Vetterlein, Treasurer; Isaiah L. Roberts, Electrician), dealers in storage and primary batteries, 206 Broadway, New York City. H.

Roberts, C. E., President of American Electric Register Co., Boston, Mass.

Roberts, D. O., Treasurer Electro-Medical Battery Co., Kalamazoo, Mich.

Roberts, E. P., Electrician and Superintendent Swan Lamp Co., Cleveland, Ohio.

Roberts, George, manufacturer of electric tools, corner First and Liberty avenues, Pittsburgh, Pa. K G 23.

Roberts, H. C., representing the Connecticut Motor Co., Plantsville, Conn.

Roberts, Isaiah L., Electrician of Roberts-Brevoort Electric Co., Limited, New York City.

Roberts, J. M., bell hanger, 146 North College street, Nashville, Tenn. B A.

Roberts, S. K., Treasurer of National Telephone Manufacturing Co., Boston, Mass.

Robertson, John (Robertson Lead Incasing Co.), Brooklyn, N. Y.

Robertson, J. M., General Superintendent of Sawyer-Man Electric Co., New York,

Robertson Lead Incasing Co. (John Robertson, James Hardy), incasing telephone and electric light wires, 131 Pearl street, Brooklyn, N. Y. V G.

Robertson, Louis A., Secretary of Electric Street and Station Indicator Co., San Francisco, Cal.

Robeson, A., Treasurer of the New England Weston Electric Light Co., Boston, Mass.

Robeson, Fred A., Secretary of Union Electric Car Co., Boston, Mass.

Robinson Electrical Works, dealers in electrical supplies, 478 Broadway, Albany, N. Y. B F.

Robinson, Hugh, Manager Kester Electric Co., Terre Haute, Ind.

Robinson, Leo S. (the Ryland-Robinson Co.), San Francisco, Cal.

Robinson, Miner, electrician, 209 Washington street, Boston, Mass. G 85.

Robinson, Prof. J. W., medical electrician, 204 Superior street, Cleveland, Ohio. T.

Robinson, Thos. T., Agent Thomson-Houston Electric Co., Boston, Mass.

Robinson, Wm., General Manager of Wm. Robinson Electric Motor Co., Boston, Mass.

Robinson, Wm., Electric Motor Co. (Chas. E. Powers, President; Wm. Robinson, General Manager; Amos F. Breed, Vice-President; Jeremiah Prescott, Secretary and Treasurer), manufacturers of Robinson radial electric car trucks, 95 Milk street, Boston, Mass. 75.

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Rochester, A. H., Treasurer of the Gold and Stock Telegraph Co., New York, N. Y.

Rochester, R. H., Treasurer of Southern Bell Telephone and Telegraph Co., New York, N. Y.

Rockford Electric Manufacturing Co., manufacturers of the Mayo dynamos and motors, Rockford, Ill. F 85.

Rockinell, C. H., Treasurer, the Buckeye Electric Co., Cleveland, Ohio.

Rocky Mountain Bell Telephone Co., The (Geo. Y. Wallace, President; J. J. Dickey, Vice-President; H. C. Hill, Secretary; D. S. Murray, Assistant Secretary; C. W. Lyman, Treasurer; C. F. Annett, General Manager), Salt Lake City, Utah. G 85.

Roebling's, John, Sons, manufacturers of copper wire, Trenton, N. J. X X X H.

Roehl, C. E., electrical engineer, St. Joseph, Mo. 40.

Rogers & Decrow (Edwin Rogers, W. E. Decrow), Agents for Gamewell Fire Alarm Telegraph Co., and dealers in fire alarm supplies, 657 Washington street, Boston, Mass. H 85.

Rogers, Edwin (Rogers & Decrow), Boston, Mass.

Rogers, Edwin, Agent Gamewell Fire Alarm Telegraph Co., Rooms 11 and 12, Boylston Building, Boston, Mass.

Rogers, Lewis H., Special Agent Brush Electric Co., 118 Devonshire street, Boston, Mass.

Rogers, Winfield S., Mechanical Engineer Watervliet Arsenal, West Troy, N. Y.

Rohn, George F. (Duerr & Rohn), Milwaukee, Wis.

Rohrbacker & Harman, manufacturers of electric globes, Salmon and Lehigh avenues, Philadelphia, Pa. W H.

Rohrer, A. L., Electrical Engineer Thomson-Houston Electric Co., Lynn, Mass.

Rollins, Geo. A., & Co., manufacturers of electric engines, 95 Mason street, Nashua, N. H. N F.

Roome, H. C., 32 Liberty street, New York, N. Y. 75.

Roome, H. C., Vice-President of the Rhode Island Electric Protective Co., Providence, R. I.

Roosevelt, Frank, President Leclanche Battery Co., New York City.

Root Electric Gas Lighting Co. (Geo. H. Bliss, President; Sam'l Chandler, Secretary; F. H. Root, Superintendent), manufacturers of electric gas lighting apparatus, 225 Dearborn street, Room 612, Chicago, Ill. G 85.

Root, F. H., Superintendent Root Electric Gas Lighting Co., Chicago, Ill.

Rose Electric Light Supply Co. (P. L. Rose, Secretary and Manager), dealers in second-hand apparatus, 1106 Pine street, St. Louis, Mo. 75.

Rose, P. L., Secretary and Manager of Rose Electric Light Supply Co., St. Louis, Mo.

Rosenbaum, Wm. A., electrical and patent solicitor, care of the "Electrical World," New York, N. Y.

Ross, R. F., Manager "Modern Light and Heat," Boston, Mass.

Ross, Thomas, bell hanger, Shenandoah, Ia. B B F 200.

Rousell, Ed., President Electric Construction Co., Lawrence, Kan.

Rousseau & Co., manufacturers of electrical apparatus, 310 Mott avenue, New York City. R R G.

Routledge, W. J. (Cowgill, Routledge & Co.), Omaha, Neb.

Rowand, A. T., Secretary and Assistant Treasurer the Westinghouse Electric Co., Pittsburgh, Pa.

Rowe, A. E., manufacturer of electric bells and batteries, 4 Dock Square, Boston, Mass. E Q.

Rowland, Prof. Henry A., Johns Hopkins University, Baltimore, Md.

Rowley, M. N., dealer in bells, batteries, etc., 52 Woodward avenue, Detroit, Mich. L F.

Roxbury Electric Co. (James Crawford and Joseph H. Young), bell hangers, 321 Warren street, Boston, Mass. 75.

Roxite Insulating Co. (T. Marquand, Manager), manufacturers of insulators, Harlem, N. Y. 75.

Royal Electric Co. (Fred. Lutheg, President; Fred. Kimble, Vice-President; Geo. T. Page, Secretary and Treasurer; C. A. Scheefer, Electrician;

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E. B. Hillman, Manager), manufacturers of the "Scheefer" dynamos and motors, Peoria, Ill.

Royal Electrical Specialty Co. (M. H. Dinger, Avery Brumley, J. B. Halstead, G. J. Dunlap), dealers in electrical supplies, 239 Water street, New York, N. Y. 75.

Royce, F. W. (Royce & Marean), Washington, D. C.

Royce, H. A., General Manager of Thomson Electric Welding Co., Boston, Mass.

Royce & Marean (F. W. Royce, Morell Marean), electric light contractors and dealers in electrical supplies, 1408 Pennsylvania avenue, Washington, D. C. P F.

Rueter, Henry H., President and Treasurer of Laminar Fibre Goods Co., Boston, Mass.

Russell, F. M. (Russell, Pratt & Co.), Omaha, Neb.

Rugg, E. L., representing Benedict & Burnham Manufacturing Co., 24 Oliver street, Boston, Mass.

Rusling, C. S., representing Thomson-Houston Electric Co., Kansas City, Mo.

Russell, Albert L., manufacturer and dealer in telegraph and electrical instruments, 106 Sudbury street, Boston, Mass. P G.

Russell Electric Lamp Co., The (A. W. Rounds, President; E. C. Russell, Electrician; F. H. Carpenter, Treasurer), manufacturers of arc lamps, 85 Water street, Boston, Mass. M 88.

Russell Electrical Manufacturing Co., The (John I. Drake, Manager), manufacturers of mast arms for electric lights, corner Dorrance and Dyer streets, Providence, R. I. K K G 48.

Russell & Erwin Manufacturing Co., manufacturers of push buttons, New Britain, Conn. H.

Russell, J., & Co., dealers in belting and electric supplies, 23 Dwight street, Holyoke, Mass. Y H.

Russell, Platt & Co. (F. M. Russell and O. H. Platt), dealers in fixtures, 319 South 15th street, Omaha, Neb. N F.

Rust, R. E., Secretary National Electric Manufacturing Co., Eau Claire, Wis.

Rustin & Balbach (Henry Rustin and Carl Balbach), electrical repair works, 16th and Harvey streets, Omaha, Neb. M G.

Rustin, Henry (Rustin & Balbach), Omaha, Neb.

Ryan & Barrows, Agents Warner's electric time system, Middletown, Conn. P F.

Ryan, Harris J., Professor of Electrical Engineering, Cornell University, Ithaca, N. Y.

Ryder, Geo. D., Vice-President the Silvey Electric Co., Lima, Ohio.

Ryland, C. T. (the Ryland-Robinson Co.), San Francisco, Cal.

Ryland-Robinson Co., The (C. T. Ryland, Jr., Leo S. Robinson), manufacturers and dealers in electrical supplies, 723 Market street, San Francisco, Cal. 75.

S.

Sabin, Jno. J., Second Vice-President and General Manager Pacific Telephone and Telegraph Co., San Francisco, Cal.

Safety Electric Light Co. (C. L. Cotton, President; C. M. Reed, Treasurer and Secretary; W. H. Merrill, Electrician; C. A. Cotton, Electrician), lighting cars and dwellings by storage batteries, 180 Summer street, Boston, Mass. G 85.

Safety Electric Railway and Power Co. (J. M. Mitchell, President; E. A. July, Secretary), contractors for and constructors of electric railways, 45 Wall street, New York, N. Y.; also, Safety Electric Power Co. and Safety Electric Construction Co.

Safety Insulated Wire and Cable Co., The (Horace K. Thurber, President; Henry E. Hawley, Vice-President; Edward A. Moen, Secretary and Treasurer), manufacturers of insulated wire and cables, 284 West 29th street, New York, N. Y. H 85.

Salon, Pedro G., Secretary and Treasurer of Consolidated Electric Storage Co., New York, N. Y.

Sample, H. C., manufacturer of and dealer in electro-medical apparatus, 298 Dearborn street, Chicago, Ill. 75.

Sampson, Geo. H., dealer in electric blasting batteries, 231 State street, Boston, Mass. N G.

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Sanden Electric Co., The, manufacturers of electric medical apparatus, 817 Broadway, New York City. M F.

Sands, J. W., Secretary the E. S. Greeley & Co., New York City.

Sanford, L. L. (Minneapolis Electric and Construction Co.), Minneapolis, Minn.

Sangster, James, mechanical engineer, 29 Seneca street, Buffalo, N. Y. 40.

Sargeant, A. R. (Marion Electric Belt Co.), Marion, Iowa.

Sargent, Benj. F., President of the Northern New York Telephone Co., Lowell, Mass.

Sargent, F. (Edison Electric Light Co.), New York, N. Y.

Sargent, Wm. D., President of the Elektron Manufacturing Co., Brooklyn, N. Y.

Savannah Electrical Co. (B. W. Meldrim, President; Charles F. Prendergast, Secretary and Treasurer), manufacturers of electrical supplies, 106 Bay street, Savannah, Ga. 75.

Sawyer, A. P., President of Gamewell Auxiliary Fire Alarm Co., Boston, Mass.

Sawyer, Edward (Electrical Engineering, Boston, Mass.), mill and hydraulic engineer.

Sawyer, Edward G., bell hanger, 9 Province court, Boston, Mass. A T.

Sawyer, F. A., Treasurer of Eastern Electric Construction Co., Portland, Me.

Sawyer, L. M., Electrical Engineer Troy Electric Dynamo Co., Troy, N. Y.

Sawyer-Man Electric Co. (George Westinghouse, Jr., President; H. M. Byllesby, Vice-President; P. H. Alexander, General Manager; J. M. Robertson, General Superintendent; C. H. Barney, Treasurer; Geo. H. Lewars, Secretary; J. E. Coggeshall, Auditor), 510 West 23d street, New York, N. Y. Z Z H.

Sawyer, W. H., Secretary-Treasurer and Electrician American Electrical Works, Providence, R. I.

Saxelby, Frederick, Electrical Engineer, Superintendent Exhausting Department Edison Lamp Co., Harrison, N. J.

Scattergood, C. F., expert electrician, 49 Eagle street, Albany, N. Y. A A 2.

Schaefer, J. F., Superintendent Plattsmouth Lamp Mfg. Co., Plattsmouth, Neb.

Scheefer, G. A., Electrician Royal Electric Co., Peoria, Ill.

Schields, Abraham (Schields & Barter), St. Louis, Mo.

Schlesinger, Wm. M., Electrician Schlesinger, Kimball & Co., Columbus, Ohio.

Schimpf, Alfred (F. Schimpf & Son), Albany, N. Y.

Schimpf, Fred (F. Schimpf & Son), Albany, N. Y.

Schimpf, F., & Son (Fred Schimpf, Alfred Schimpf), bell hangers, 54 Hamilton street, Albany, N. Y. A A 2.

Schindler, G., bell hanger, 115 Wylie avenue, Pittsburgh, Pa. A A F 100.

Schmid, Albert, Superintendent of Shops of the Westinghouse Electric Co., Pittsburgh, Pa.

Schmidt, Rudolph & Co., dealers in electrical goods, 51 East Main street, Rochester, N. Y. R H.

Schmidt, J. G., & Son, bell hangers, 209 Main street, Memphis, Tenn. R H.

Schoolcraft, L. J., electrician, 140 South Division street, Battle Creek, Mich. Removed to Adrian, Mich.

Schopper, F. D., & Co., dealers in annunciators, Cincinnati, Ohio. B Q.

Schoverling, A. (H. Werlemann, Manager), Agent for Dr. Gassner's Dry Battery, 111 Chambers street, New York. 75.

Schriber, Rudolph, Secretary New York Electric Manufacturing Co., New York City.

Schroeter, Herman, bell hanger, 58 Gratiot avenue, Detroit, Mich. B Q.

Schulze-Berge, Franz, Edison Laboratory, Orange, N. J.

Schuyler Electric Co., The (J. H. Butler, President; C. E. Dustin, Vice-President; J. T. Elliott, Treasurer; D. J. Glazin, Secretary), manufacturers of dynamos, etc., Middletown, Conn. W W G 80.

Schwindt, Henry, manufacturer of medical batteries, 610 8th ave., New York. 75

Scranton & Cooke (Robert A. Cooke), manufacturers of magnetic ore separator, 83 Washington street, New York City. 75.

Scofield, M. F., Treasurer Carpenter-Nevens Electro Heating Co., Minneapolis, Minn.

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Scott, Geo. A., Agent for the Pall Mall Electrical Association of London, New York City.

Scott, Wm. (Wayne Electrical Works), Detroit, Mich.

Scott, W. L., President St. Louis Electrical Supply Co., St. Louis, Mo.

Searing, Lewis, care A. S. Pope, Box 124, Colorado Springs, Col.

Sears, Wm., Superintendent of Martin-Wilson Automatic Fire Alarm Co., Boston, Mass.

Sechrist, Albert, dealers in electric motors and supplies, Denver, Col. F 85.

Seely, John A., General Manager of the Complete Electric Construction Co., New York, N. Y.

Siegel, A., Gas Fixture Co., dealers in electric fixtures, St. Louis, Mo. 68.

Seldon, Charles, President Baltimore National Automatic Fire Alarm Co., Baltimore, Md.

Selkirk, Chas., electrical draftsman and designer, 81 N. Pearl street, Albany, N. Y. 40.

Serdobin, P. M., exporter and importer of electrical goods, 115 Broadway, New York, N. Y. 75.

Sewell, L. W., consulting and constructing electrical engineer, 115 Broadway, New York, N. Y. 75.

Severens, John A., Manager of Electric Time Advertising Co., Boston, Mass.

Sewall, C. H. (C. H. Sewall & Co.), New York, N. Y.

Sewall, C. H., & Co. (C. H. Sewall, A. Vivarttas), electrical and mechanical engineers, 17 Broadway, New York, N. Y. 40.

Seymour, James H., President of the Clark Electric Co., New York, N. Y.

Seymour, Jas., Jr., Treasurer of the Empire State Telephone and Telegraph Co., Auburn, N. Y.

Shaffer, B. F., consulting electrician, 14 West 47th street, New York. 40.

Shain, C. D., Agent United Edison Manufacturing Co., New York, N. Y.

Shainwald, Ralph L., President Standard Paint Co., New York City.

Shallenberger, O. B., Electrician Westinghouse Electric Co., Pittsburgh, Pa.

Shaver Corporation, The (H. H. Warner, President, Rochester, N. Y.; Geo. V. Shaver, Vice-President; J. L. Luckey, Secretary; H. T. Footner, Treasurer; F. T. Whiting, Manager), manufacturers of molecular telephones, 207 Broadway, N. Y., N. E. Office, 43 Milk street, Boston, Mass. H.

Shaver, Geo. V., Vice-President of the Shaver Corporation, New York City.

Shaw, A. C., New England Editor and Manager the "Electrical Engineer," Room 70, 620 Atlantic Avenue, Boston, Mass.

Shaw & Garver, manufacturers of telephones, Chatham Center, Ohio. 75.

Shaw, Geo. B., General Manager National Electric Manufacturing Co., Eau Claire, Wis.

Shawhan, J. F., Vice-President Shawhan Motor Co., and inventor of the Shawhan double armature motor, Detroit, Mich.

Shawhan Motor Co., The (F. B. Dickerson, President; J. F. Shawhan, Vice-President), manufacturers of double armature motors and dynamos, Dubois and Franklin streets, Detroit, Mich. 63.

Shay, Stephens & Co., manufac-turers of insulators and battery jars, 134 Van Buren street, Chicago, Ill. F 85.

Sheffield, F. W. H., President of Utica Fire Alarm Telegraph Co., Utica, N. Y.

Sheffield, W. H., bell hanger, 482 Tremont street, Boston, Mass. B B G.

Sheldon, W. A., with Schuyler Electric Co., New York, N. Y.

Shellenberger, A. R., Vice-President Pennsylvania Telephone Co., Harrisburg, Pa.

Shenton, H. A., Superintendent of Fire Alarm, Pottstown, Pa.

Shepard, Wm. E., Electrician Schuyler Electric Co., Middletown, Conn.

Shepherd, Bros. (Charles B. Shepherd, Geo. W. Shepherd, F. Bedell Wills), electrical construction, 88 South 4th street, Philadelphia, Pa. B B G.

Shepherd, Chas. B. (Shepherd Bros.,) Philadelphia, Pa.

Shepherd, Geo. W. (Shepherd Bros.), Philadelphia, Pa.

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Sherburne, C. W., President Star Brass Manufacturing Co., Boston, Mass.

Sherman, C. R., & Son, dealers in electric supplies, New Bedford, Mass. P F.

Sherman, Chas. K. (successor to Kansas City Engineering Co.), agent and engineer, 37 New England Building, Kansas City, Mo. 40.

Sherman Electric Storage Equipment Co. (Wm. F. Sherman, President; A. R. Hallowell, Treasurer and Secretary; Dr. C. J. Stewart, Electrician), manufacturers of electrical motors and street cars, 244 Washington street, Boston, Mass. 28.

Sherman, Wm. F., President Sherman Electric Storage Equipment Co., Boston, Mass.

Sherwin, Daniel, Jr., bell hanger, 2019 Carpenter street, Philadelphia, Pa. 75.

Sherwin, Geo. D., electric supplies, Burlington, Vt. 75.

Sherwin, Thomas, President of New England Telephone and Telegraph Co., Boston, Mass.

Shillaber, J. F., dealer in electric supplies, 11 Bow street, Portsmouth, N. H. M F.

Shillinglaw, A., Electrician Union Stock Yards, 391 36th street, Chicago, Ill.

Shouk, Geo. W., President of Kirwan Electrical Station Indicator Co., Wilkesbarre, Pa.

Short, Alfred, President and General Manager Eureka Tempered Copper Co., North East, Pa.

Shrieves, Charles D., bell hanger, 1422 South 13th street, Philadelphia, Pa. 75.

Shurtz & Tobin, Agents Sprague Electric Railway and Motor Co., Portland, Ore.

Sibley, C. C., President of C. C. Sibley & Co., New York, N. Y.

Sibley, C. C., & Co. (C. C. Sibley, President; F. Y. John, Secretary), manufacturers of electrical appliances, 416 West 26th street, New York, N. Y. G 85.

Sias, S. S., Treasurer of Boston Auxiliary Fire Alarm Co., Boston, Mass.

Silas, Malcolm, Secretary and Treasurer Jordan Train Electric Lighting Co., Boston, Mass.

Sill, R. V. R., Manager Detroit Trolley Support Co., Detroit, Mich.

Sill, William, dealer in electric bells, Portland, Ore. 75.

Silver, W. B., bell hanger, Quincy street, Cleveland, Ohio. A A Q.

Silverman, I. H. (Stern & Silverman), Pittsburgh, Pa.

Silvey Electric Co., The (B. C. Faurot, President; Geo. D. Ryder, Vice-President; F. P. Graff, Secretary; F. L. Langan, Treasurer), manufacturers of dynamos, Lima, Ohio. N G.

Simmons, C. P. (W. A. Simmons & Co.), New York, N. Y.

Simmons, H. P. (W. A. Simmons & Co.), Secretary Electric Fire Protective Co., New York, N. Y.

Simonds, John (McShane & Simonds), St. Louis, Mo.

Simmons, W. A., President of Electric Fire Protective Co., New York, N. Y.

Simmons, W. A., & Co. (W. A. Simmons, C. P. Simmons, H. P. Simmons), 280 Broadway, New York, N. Y. 50.

Simons, George H., electrician, 35 Lynwood street, New Haven, Conn. 75.

Simplex Electrical Co., The (A. C. Pond, President; E. H. Batcheler, Treasurer; Jos. H. Mason, Secretary; A. F. Mason, General Manager), manufacturers of Simplex (T Z R) insulated wire, 620 Atlantic avenue, Boston, Mass. H 85.

Sinclair, Chas. F., President the Imi Electric Bell Co., Chicago, Ill.

Sinclair, S. J., Secretary the Imi Electric Bell Co., Chicago, Ill.

Singer Fire Alarm Co., The (J. B. Wise, President; W. D. Hanchetts, Secretary), manufacturers of fire alarms, 59 Chapin Block, Buffalo, N. Y. S G.

Sise, Charles F., Vice-President and Managing Director Bell Telephone Co. of Canada, and Canadian Telephone Co., Limited, Montreal, Canada.

Sisson, Albert H., manufacturer of electric bells, 28 Monroe street, Lynn, Mass. B 85.

Skeele, J. W., Manager of Syracuse Electrical Manufacturing Co., Syracuse, N. Y.

Skeen & Farmer (J. Farmer, R. Skeen and F. Lopeman), dealers in electric sup-

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plies, 219 Franklin avenue, St. Louis, Mo. 75.

Skeen, R. (Skeen & Farmer), St. Louis, Mo.

Slade, Herbert L. (Kendall & Slade), Boston, Mass.

Slater, Henry B., electrical engineer, Leadville, Col. Q 40.

Slattery, M. M. M., Inventor with Fort Wayne Electric Co., Fort Wayne, Ind.

Sleight, J. E., Jr., bell hanger, 705 Gates avenue, Brooklyn, New York. T O.

Slocum, Geo. S., machinist and inventor of trolley protectors, Newport, R. I. 70.

Small, Fred E. (Lane & Small), Boston, Mass.

Small, H. H., electrical engineer, 148 Michigan avenue, Chicago, Ill.

Smith, A. T., electric gas lighting, 6 West 14th street, New York City. D F.

Smith, B. S., bell hanger, 58 John street, Utica, N. Y. 75.

Smith, C. Alfred, Secretary of Mackintosh Battery and Optical Co., Chicago, Ill.

Smith, Channing L. (E. W. Smith & Co.), Des Moines, Ia.

Smith, Charles D., Secretary and Treasurer the Connecticut Motor Co., Plantsville, Conn.

Smith, Cuyler C., Wire Chief Western Union Telegraph Co., Buffalo, N. Y.

Smith, C. McCall, Secretary and Treasurer of Gibson Electric Co., New York, N. Y.

Smith, D. A., Vice-President of the Empire State Telephone and Telegraph Co., Auburn, N. Y.

Smith, E. A., Secretary the Bell Telephone Co. of Missouri, St. Louis, Mo.

Smith, E. A., Treasurer of Providence Electric Co., Providence, R I.

Smith, E. B., Proprietor of Smith Electric Co., Attleboro, Mass.

Smith Electric Co. (E. B. Smith, Proprietor), manufacturers of electrical house furnishings, 6th street, Attleboro, Mass. G.

Smith, E. W., & Co. (Channing L. Smith), bell hanger, 212 West Walnut street, Des Moines, Iowa. Q 200.

Smith, Frank H., Vice-President Baltimore Automatic Fire Alarm Co., Baltimore, Md.

Smith, Fred M., Secretary the National Electric Construction Co., Boston, Mass.

Smith, Gerritt, Electrician Western Union Telegraph Co., 195 Broadway, New York City.

Smith, G. M., Manager Chicago Branch Ansonia Brass and Copper Co., 138 Wabash avenue, Chicago, Ill.

Smith, H. A., Secretary Excelsior Electric Co., New York City.

Smith, H. Julian, manufacturer of electromagnetic blasting machines and fuses, Pompton, N. J. V G.

Smithers, J. B., dealer in electric supplies, 28 Main street, Brockton, Mass. 75.

Smith, J. Brodie, dealer in light and power apparatus, 142 Merrimack street, Manchester, N. H. 75.

Smith, J. Elliot, Superintendent Fire Alarm Telegraph, 157 East 67th street, New York City.

Smith, Jas. G., President of Buell Electrical and Hydraulic Manufacturing Co., New York, N. Y.

Smith, Jesse M., consulting electrical engineer and expert in patent causes, 36 Moffatt Block, Detroit, Mich. P G.

Smith, J. N., Superintendent the Ball Electric Light Co., Limited, Toronto, Ontario, Canada.

Smith, J. N., Vice-President of Thomson Electric Welding Co., Boston, Mass.

Smith, O. C., Secretary and Treasurer the De Oxidized Metal Co., Bridgeport, Conn.

Smith, O. J., Vice-President Electro-Automatic Transit Co., Baltimore, Md.

Smith, Robert J., President of the Card Electric Motor and Dynamo Co., Cincinnati, Ohio.

Smith, Robert McF., Secretary of the Card Electric Motor and Dynamo Co., Cincinnati, Ohio.

Smith, Roswell P., Agent Connecticut Motor Co., 32 Oliver street, Boston, Mass.

Smith, Thomas G., electrical engineer, 11 Hammond Building, Cincinnati, Ohio. 40.

Smith, Thomas H., retail dealer in bells, etc., 825 17th street, Denver, Col. C F.

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Smith, William C., Electrician and Superintendent Fire Alarm the Brewer & Smith Visual Signal Co., New Haven, Conn.

Smith, W. G., Secretary and Treasurer of the Standard Carbon Co., Cleveland, Ohio.

Smith, W. H., President and General Manager of Brown Electric Protector Co. of New England, Boston, Mass.

Smith, Wm. Wiley, Secretary and Superintendent of Missouri and Kansas Telephone Co., Kansas City, Mo.

Soden, F. H., Electrician Thomson-Houston Electric Co., Chicago, Ill.

Solar Carbon and Manufacturing Co. (J. B. Young, President and Treasurer; B. K. Jamison, Vice-President), manufacturers of carbons and battery carbons, 95 5th avenue, Pittsburgh, Pa. W H.

Sommer, Alfred, dealer in electrical appliances, 86 Bank street, Newark, N. J. 75.

Sorenson, Lars P., manufacturer of electrical instruments, 48 and 52 N. Clinton street, Chicago, Ill. G 85.

Soule, H. H., Treasurer Ames Manufacturing Co., Boston, Mass.

Southard, C. C., President of Eureka Electric Co., New York, N. Y.

Southard, F. E., Treasurer and General Manager of Eureka Electric Co., New York, N. Y.

Southern Bell Telephone and Telegraph Co. (John E. Hudson, President; James Merrihew, Vice-President; R. H. Rochester, Treasurer; Geo. H. Fearons, Attorney; D. I. Carson, Secretary and General Superintendent), 18 Cortlandt street, New York, N. Y. W H.

Southern Electric Co. (J. Frank Morrison and D. Howard Tuxworth), dealers in electrical supplies, Baltimore, Md.

Southwestern Electrical Engineering Co. (C. J. Bryner, President; C. R. Meston, Secretary; A. Irving, Superintendent), electrical engineers and contractors, 515 Walnut street, St. Louis, Mo. M F.

Southern Electrical Supply Co. (G. A. McKinlock, President; Wm. H. McKinlock, Vice-President; W. C. McKinlock, Secretary and Treasurer), dealers in supplies, 823 Locust street, St. Louis, Mo. R R G.

Southern New England Telephone Co., The (M. F. Tyler, President; A. H. Embler, Secretary and Treasurer; E. B. Baker, General Superintendent; E. N. Clarke, Auditor), New Haven, Conn. 75.

Southwestern Electrical Supply Co. (W. H. Yeaton, President; Edward Larell, Secretary and Treasurer), dealers in electrical supplies, 531 Delaware street, Kansas City, Mo. M F.

Southwestern Telegraph and Telephone Co. (Levi Sprague, President, Lowell, Mass.; Chas. J. Glidden, Secretary and Treasurer, Lowell, Mass.; J. P. McKinstry, General Manager. Cleveland, Ohio; J. E. Farnsworth, General Auditor, Austin, Texas; J. K. Dunbar, General Superintendent, Austin, Texas; G. W. Foster, Superintendent North Texas Division, Dallas, Texas; E. K. Baker, Superintendent South Texas Division, Galveston, Texas; A. F. Adams, Superintendent Arkansas Division, Little Rock, Ark.), Austin, Texas. Y H.

Sowdon, F. Montague, electrical contractor, 149 Congress street, Boston, Mass. 75.

Spangenberg Electric Co., dealers in electrical apparatus, Cincinnati, Ohio. 75.

Spargo, Mrs. Fanny (Electric Wire Works Co.), Rome, N. Y.

Sparrow, F. M., Proprietor of the Franklin Electric Appliance Co., Boston, Mass. 75.

Speed, J. B., President the Ohio Valley Telephone Co., Louisville, Ky.

Spellier Electric Time Co., manufacturers of the Spellier Time System, 27 South 11th street, Philadelphia, Pa.

Spencer, A. F., Secretary and Treasurer the Star Electric Co., Bridgeport, Conn.

Spencer, Thomas, Chief Electrician of the North American Construction Co., Pittsburgh, Pa.

Spengel, Carl, electrical engineer, 75 West 4th street, Cincinnati, Ohio. 40.

Sperry Electric Co. (S. P. Parmly, President; D. P. Perry, Vice-President and General Manager; E. E. Crepin, Treasurer; G. H. Bliss, Secretary; Elmer A. Sperry, Electrician), manufac-

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turers of Sperry system of arc lighting, 195–207 South Canal street, Chicago, Ill. G H.

Sperry, Elmer A., Electrician of Sperry Electric Co., Chicago, Ill.

Sperry, Elmer A., Co., consulting and contracting electrical engineers, 201–207 South Canal street, Chicago, Ill. M F.

Spicer, Charles W. W. (Edison Phonograph Works), Orange, N. J.

Spiegel, Adolph (Spiegel, Crolius & Co.), Milwaukee, Wis.

Spiegel, Crolius & Co. (Adolph Spiegel and Frank M. Crolius), retail dealers in medical batteries, 101 Grand avenue, Milwaukee, Wis. G 84.

Spike, Clarence J., Halifax, N. S. 75.

Spinney, B. F., Treasurer of Thomson Electric Welding Co., Boston, Mass.

Sprague, Frank J., Electrician and Vice-President, Sprague Electric Railway and Motor Co., New York, N. Y.

Sprague, Joseph J., Electrician Sprague-Warden Electric Co., Carthage, Mo.

Sprague, Levi, Lowell, Mass., President the Cleveland Telephone Co., Cleveland, Ohio.

Sprague-Warden Electric Co. (Halford B. Warden, President and Manager; Jos. J. Sprague, Electrician), manufacturers of dynamos and motors, Carthage, Mo. M F.

Spruance, D. C. (Spruance & Marshall), Lewisburg, Pa.

Spruance & Marshall (D. C. Spruance and N. Marshall), contractors for Westinghouse system, Lewisburg, Pa. R G.

Springfield Electric Co. (H. A. Lakin, Proprietor and Electrician), dealers in electric goods, 263 Main street, Springfield, Mass. B Q.

Stadelman, W. A. (Chadbourne, Hazelton & Co.), Philadelphia, Pa.

Stadelman, W. A., Vice-President and Chief Engineer the Equitable Electric Railway Construction Co., Philadelphia, Pa.

Stafford, David R. (Wm. Wheeler & Co.), Syracuse, N. Y.

Stafford Furnace and Electrical Co., North Warren street, Syracuse. N. Y. 75.

Stafford, H. H., President Wisconsin Storage Battery Co., Milwaukee, Wis.

Stagl, Chas., Secretary and Manager Union Electrical Construction Co., St. Louis, Mo.

Standard Carbon Co., The (D. A. Dangler, President; J. B. Crouse, Vice-President; W. G. Smith, Secretary and Treasurer; H. A. Tremaine, Superintendent), manufacturers of carbon points and battery material, Cleveland, Ohio. V G.

Standard Electric Co. (W. P. Fairbanks, Treasurer; W. S. Hill, Chairman Executive Committee; L. A. Milbank, Manager), manufacturers of dynamos, etc., St. Johnsbury, Vt.; Boston office, 161 Franklin street. W G.

Standard Electric Co., manufacturers of storage batteries, Detroit, Mich. 69.

Standard Electric Co., dealers in electrical supplies, 349 4th street, Louisville, Ky. G 85.

Standard Electric Time Co., The (C. D. Warner, President and Manager; Geo. W. Hutchinson, Secretary and Treasurer), manufacturers of Warner system of electric time clocks, New Haven, Conn. M. G.

Standard Electrical Works (E. V. Cherry, President; J. W. Herron, Vice-President; B. E. Davis, Secretary), manufacturers of and dealers in electrical supplies, 161–165 West Pearl street, Cincinnati, Ohio. S S H.

Standard Flint Glass Works, manufacturers of electric globes, 1126 Charlotte street, Philadelphia, Pa.

Standard Paint Co. (Ralph L. Shainwald, President; L. Peck, Vice-President; Felix Jelleink, Secretary; J. I. Livingston, Superintendent), manufacturers of insulated paints and paper, 59 Maiden Lane, New York City. W G.

Standard Thermometer Co. (Edgar W. Upton, Henry G. Rice, Herbert Torrey), manufacturers of electric indicating and recording guage, thermometers and arc lamps, Peabody, Mass. V G.

Standard Underground Cable Co. (George Westinghouse, Jr., President; C. H. Jackson, Vice-President and General Manager; J. U. Marsh, Secretary; Elmer L. White, Treasurer), manufac-

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turers of electric cables, Pittsburgh, Pa. W H.

Stanley, Henry D., Secretary Bridgeport Electric Manufacturing Co., Bridgeport, Conn.

Stanley, William, Jr., Electrician Westinghouse Electric Co., Great Barrington, Mass.

Staples, W. R., Treasurer Carter Ore Separating and Mining Co., New York, N. Y.

Star Brass Manufacturing Co. (C. W. Sherburne, President; Charles Winther, Superintendent; James H. Burgess, Treasurer; H. G. Thomas, Secretary), manufacturers of trolly wheels and electrical sundries, 53 Oliver street, Boston, Mass. M F.

Star Electric Co., The (C. D. Miller, General Manager and President; A. F. Spencer, Secretary and Treasurer), dealers in electrical supplies, 426 Main street, Bridgeport, Conn. B B F.

Star Electric Co., dealers in bells, etc., Toledo, Ohio. 75.

Starr Bros. Bell Co., manufacturers of electric goods, East Hampton, Conn. 75.

Stauffer, Peter S., electrical house work, 84 Hiram street, New Brunswick, N. J. B B F.

Stearns, Charles K. (Thomson-Houston Electric Co.), Boston, Mass.

Stearns, Rogers & Co., electrical engineers and contractors, Duff Block, Denver, Col. Branch office at Leadville. M F.

Stebbins, Theodore, electric railway inspector, Thomson-Houston Electric Co., Lynn, Mass.

Stedman, J., Salesman Thomson-Houston Electric Co., Chicago, Ill.

Steinmetz, Charles, Electrician Osterheld & Eickemeyer, Yonkers, N. Y.

Steele, Geo. F., President of New England Electric Co., Boston, Mass.

Stellar Electric Co., The (J. A. Torrey, President; F. W. Benner, Secretary; S. K. Bayley, Treasurer and Manager), manufacturers of incandescent electric lamps, 18 Doane street, Boston, Mass. R R F.

Stephens, Charles (Shay, Stephens & Co.), Chicago, Ill.

Stephens & Ross, manufacturers of electric belts, Cincinnati, Ohio. 75.

Stephenson, L. B., President of Fidelity Carbon Manufacturing Co., St. Louis, Mo.

Sterling, F. S., & Co., dealers in poles, Monroe, Mich. V G.

Stern & Silverman, Agents Edison System and Sprague Motors, Hamilton Building, Pittsburgh, Pa. R G.

Stevens & Babcock, dealers in poles, East Saginaw, Mich. 75.

Stevens, Geo. M., manufacturer of fire alarm telegraph system and dealer in fire alarm supplies, 15 Chardon street, Boston, Mass. S S H.

Stevens, H. F., Secretary of New York and Pennsylvania Telephone and Telegraph Co., New York, N. Y.

Stevens, N. P., dealer in electrical supplies, Concord, N. H. K G.

Stevens, T. K., President United Electric Co., Salt Lake City, Utah.

Stevenson, M. L., traveling representative Solar Carbon and Manufacturing Co., Pittsburgh, Pa.

Stevenson, Wm. H., President Electric Date and Time Stamp Co., St. Louis, Mo.

Stewart, A., President Stewart Electric Co., Denver, Col.

Stewart, D. L., Treasurer Stewart Electric Co., Denver, Col.

Stewart Electric Co. (A. Stewart, President; D. L. Stewart, Treasurer; H. W. Oakland, Superintendent), retail dealers in general electrical supplies, 717 15th street, Denver, Col. D G 4.

Stewart & Bowers (George F. Stewart and E. S. Bowers), dealers in electric supplies, 208 Main street, Wichita, Kan. 75.

Stewart, Dr. C. J., Electrician of Sherman Electric Storage Equipment Co., Boston, Mass.

Stewart, D. C., bell hanger, Leavittsburg, O. 75.

Stewart, Geo. F. (Stewart & Bowers), Wichita, Kan.

Stewart, John A. (John A. Stewart & Son), Baltimore, Md.

Stewart, John A., & Son, dealers in electric bells, 46 North Liberty street, Baltimore, Md.

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Stewart, Ronald A., Treasurer the Campbell Electric Supply Co., Boston, Mass.

Stewart, Walter C., electrical engineer, St. Joseph, Mo. 40.

Stewart, Wm., electrician, Schenectady, N. Y. 75.

Stieringer, Luther, Electrical Expert with United Edison Manufacturing Co., 44 Wall street, New York, N. Y.

Stiles, William A. (formerly with Van Depoele Electric Manufacturing Co.), Attorney at Law, 112 Clark street, Chicago, Ill.

Stillwell, L. B., Electrician with Westinghouse Electric Co., Pittsburgh, Pa.

Stimis, A. A., electrician, 38 Dey street, New York. 40.

St. Joseph Electrical Supply Co. (Frank Yenawin), dealers in electrical supplies, corner Fifth and Francis streets, St. Joseph, Mo. L. F.

St. Louis Electrical Supply Co., dealers in general electrical supplies, 403 North 8th street, St. Louis, Mo. P. P. G.

Stoakes, J. G., Secretary and Treasurer the Central District and Printing Telegraph Co., Pittsburgh, Pa.

Stocker, John, President and Treasurer Union Electrical Construction Co., St. Louis, Mo.

Stockly, George W., President Brush Electric Co., Cleveland, Ohio.

Stockton, Howard, President the American Bell Telephone Co., Boston, Mass.

Stockwell, E., agent, 39 Dearborn street, Chicago, Ill.

Stone, Henry B., President Central Union Telephone Co., Chicago, Ill.

Stone, Chas. A., Electrical Engineer of the Massachusetts Electrical Engineering Co., Boston, Mass.

Stone, G. N., Vice-President and General Manager of the City and Suburban Telegraph Association, Cincinnati, Ohio.

Stone, O. M., electrician and contractor, Traders' Building, 6 to 12 Pacific ave., Chicago, Ill. F. 85.

Stoneburner, A. A., bell hanger, South Bend, Ind. 75.

Storer, Albert, President New York Carbon Co., New York City.

Storey, E. A. (Storey & Wilson), New York, N. Y.

Storey & Wilson (E. A. Storey, L. E. Wilson), dealers in electrical supplies, 113 Sixth Avenue, New York, N. Y. 75.

Storke, H. L., President of the Empire State Telephone and Telegraph Co., Auburn, N. Y.

Stover, F. C., Agent Gamewell Fire Alarm Telegraph Co., Room 142, Phelan Building, San Francisco, Cal.

Story, C. B., contractor for central stations, Brunswick, Me. 75.

Stover, Albert, experimental machinist, 40 State street, Mass. 75.

Stover, Jos. W., President of Gamewell Fire Alarm Telegraph Co., New York, N. Y.

Stow, Wm. E., Electrical Engineer American House, Boston, Mass.

Strong, R. H. (Creston Novelty Shop), Creston, Ia.

Stuart, Otis K., Treasurer of Wright Electrical Engineering Co., Boston, Mass.

Stuckey, John, dealer in supplies, 60 North 4th street, Philadelphia, Pa. 75.

Stammers, Harry, manufacturer of medical batteries, 1426 Broadway, New York City. D D F.

Stump, Clarence E., Manager and Treasurer of the W. J. Johnston Co., Limited, New York, N. Y.

Sturtevant, J. A., Manager the Cornish Electric Bell Co., Philadelphia, Pa.

Stuttgart Improvement Co., The (Francis M. Gillett, N. Y., President; S. H. Leslie, Vice-President; Edward Hall, Secretary; C. R. Leslie, Treasurer), operate railways and light plants, Little Rock, Ark. W W G.

Stutzer, Jr., H., President National Electric Protector Co., New York.

Sullivan, Mortimer, bell hanger, 258 W. 125th street, New York. B B F.

Summers, H., bell hanger, 38 Charles street, Boston, Mass. B F.

Sunbeam Incandescent Lamp Co. (W. S. Gordon, President; J. H. Cooke, Secretary and Treasurer), manufacturers of incandescent lamps, Room 2, Canal and Randolph streets, Chicago, Ill. 65.

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Sunny, B. E., Western Manager Thomson-Houston Electric Co., Chicago, Ill.

Supplee, G. A., & Co. (G. A. Supplee, Proprietor), electrical supplies, 267 North Ninth street, Philadelphia, Pa. F 85.

Supplee, G. A., Proprietor G. A. Supplee & Co., Philadelphia, Pa.

Swan Lamp Manufacturing Co. (Myron T. Herrick, President; J. Patter, Vice-President; Samuel E. Cox, Secretary and Treasurer; E. P. Roberts, Electrician and Superintendent), manufacturers of incandescent lamps, Cleveland, Ohio. (Owned by Brush Electric Co.). V G.

Swain, Chas. M., President of the Electric Protective Co. of Philadelphia, Philadelphia, Pa.

Swarts & Gannett (Gardner T. Swarts, Wm. F. Gannett, Jr.), electrical engineers and dealers in supplies. Also Agents of Electrical Accumulator Lighting and Power Co., Swarts Building, Providence, R. I. E G.

Swarts, Gardner T. (Swarts & Gannett), Providence, R. I.

Swendenman, J. E., manufacturer of electrical goods, 48 Hanover street, Boston, Mass. K G.

Sweet, Wm. A., mechanical draftsman, 219 River street, Troy, N. Y. 40.

Swift, G. P. (H. E. Swift & Co.), Boston, Mass.

Swift, H. E. (H. E. Swift & Co.), Boston, Mass.

Swift, H. E., & Co. (H. E. Swift, G. P. Swift), manufacturing electricians, 62 Sudbury street, Boston, Mass. N Q.

Swift, T. P. (H. E. Swift & Co.), Boston, Mass.

Swoope & Lord, bell hangers, corner Market and 38th street, Philadelphia, Pa. R H.

Syme, John, Secretary National Subway Co., Chicago, Ill.

Syracuse Electric Manufacturing Co. (J. W. Skeele, Manager; W. C. Brayton, President), dealers in bells, etc., Globe Hotel Block, Syracuse, N. Y. S G.

T.

Taber, Henry A., dealer in electric supplies, Waterville and Augusta, Me. B Q.

Tacoma Burglar Alarm and Electric Clock Co., Tacoma, Wash. 74.

Taltavall, J. B., Business Manager "The Electric Age," New York, N. Y.

Taltavall, T. R., editor the "Electric Age," 5 Dey street, New York, N. Y.

Tanner, Wm. E., President Burton Electric Co., Richmond, Va.

Tatham & Bros. (Wm. P. Tatham and Henry B. Tatham), manufacturers of lead covered cables, 226 South 5th street, Philadelphia, Pa. X X H.

Tatham, Capt. Jas., Patentee and Inventor Tatham & Bros., Philadelphia, Pa.

Tatham, Henry P. (Tatham & Bros.), Philadelphia, Pa.

Tatham, Wm. P. (Tatham & Bros.), Philadelphia, Pa.

Taunton Electrical Supply Co., manufacturers of electric bells, 44 Main street, Taunton, Mass. 75.

Taylor, Frank, Treasurer and Superintendent of Vulcanized Fibre Co., Wilmington, Del.

Taylor, Geo. L., Assistant Superintendent, the Bell Telephone Co. of Buffalo, Buffalo, N. Y.

Taylor, H. L., Secretary Cleveland Gas Fixture Co., Cleveland, Ohio.

Taylor, James A., Secretary and Treasurer of the Complete Electric Construction Co., New York, N. Y.

Taylor, Julius, electric treatment, 591 Fulton street, Brooklyn, N. Y. M F.

Taylor, S. H., representing Thomson-Houston Electric Co., San Francisco, Cal.

Taylor, Wm., Assistant Manager Electrical Supply Co., Chicago, Ill.

Temple, H E., Electrician the "P. & T." Electrical Manufacturing Co., Buffalo, N. Y.

Temple, William Chase, electrical engineer, 575 Madison avenue, New York City. 40.

Temple, W. H., representing "Western Electrician," Temple Court, New York City.

Terre Haute District Telegraph and Electric Supply Co. (R. W. Moore), 26 South 6th street, Terre Haute, Ind. P P G.

Terrington, Zacharia (Foster & Terrington), Brooklyn, N. Y.

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Terry, F. S., Manager the Electrical Supply Co., 171 Randolph street, Chicago, Ill.,

Tesla, Nicola, electrical engineer and inventor, Gerlach Hotel, New York, N. Y.

Thackara Manufacturing Co., manufacturers of electric fixtures, Philadelphia, Pa. W. H.

Thau, H., electrical instrument manufacturer, 130 Fulton street, New York, N. Y. 75.

Thaxter, Geo. E., & Co., bell hangers, 33½ Beach street and 63 Harrison avenue, Boston, Mass. 64.

Thayer, Winthrop (Erickson Patent Insulating Coupling Co.), Boston, Mass.

The Electric Railway, published by the Fred H. Whipple Co., Detroit, Mich.

Thermometer Electric Battery Co., manufacturers of electric batteries, 95 Milk street, Boston, Mass. 44.

Thomas, A. A., General Superintendent Carolina Oil and Creosote Co., Wilmington, N. C.

Thomas, A. A., General Solicitor Central Union Telephone Co., Chicago, Ill.

Thomas, E. P., Treasurer Cassidy & Son Manufacturing Co., New York City.

Thomas, H. G., Secretary Star Brass Manufacturing Co., Boston, Mass.

Thomas & Huyette, mechanical draughtsmen for electrical work, Hodges Building, Detroit, Mich. 40.

Thomas, R., & Son, manufacturers of porcelain electrical supplies, East Liverpool, Ohio. R. H.

Thompson, Albert, electrician and bell hanger, 2 Foster street, Worcester, Mass. D F 125.

Thompson, C. H. (Central City Electric Co.), Syracuse, N. Y.

Thompson, C. J., Agent Continental Dynamo Co., 100 East 4th street, St. Paul, Minn.

Thompson, Edward P., consulting electrician and patent attorney in electrical cases, 5 Beekman street, New York, N. Y.

Thompson, George T., Treasurer National Electric Manufacturing Co., Eau Claire, Wis.

Thompson, W. C. (Minneapolis Electric and Construction Co.), Minneapolis, Minn.

Thomson, Arthur G. (Henry Thomson & Sons), New Haven, Conn.

Thomson Electric Welding Co. (Wm. F. Draper, President; J. N. Smith, Vice-President; B. F. Spinney, Treasurer; H. A. Royce, General Manager; Elihu Thomson, Electrician), manufacturers of welding machines, Boston, Mass.

Thomson, Elihu, Electrician Thomson-Houston Electric Co., Lynn, Mass.

Thomson, Henry G. (Henry G. Thomson & Sons), New Haven, Conn.

Thomson, Henry G., & Sons (Henry G. Thomson, H. Grant Thomson, Arthur G. Thomson), manufacturers of electric street car motors, 6 Elm street, New Haven, Conn. Y Y G.

Thomson-Houston Electric Co. (H. A. Pevear, President; C. A. Coffin, Vice-President and Treasurer; E. J. Garfield, Secretary; S. A. Barton, General Manager; Prof. E. Thomson, Electrician), manufacturers of electric lighting and power apparatus, 620 Atlantic avenue, Boston, Mass. X X X H.

Thomson-Houston Electric Co., Chicago Office, 148 Michigan avenue (B. E. Sunny, Manager; J. L. Martin, Secretary; Geo. Martin, Auditor; E. P. Bailey, Manager of Railway Department; H. S. Manning, Superintendent of Construction), Chicago, Ill.

Thomson-Houston International Co. (C. A. Coffin, President; J. N. Smith, Treasurer; H. A. Pevear, Vice-President; E. J. Garfield, Secretary; G. W. Davenport, General Manager), 620 Atlantic avenue, Boston, Mass. Z H.

Thone, Frank, Electrician Hawkeye Electric Manufacturing Co., Davenport, Ia.

Thornberry, H. D. (Henry S. Thornberry & Co.), Toronto, Ont.

Thornberry, Hy. S. (Henry S. Thornberry & Co.), Toronto, Ont.

Thornberry, Henry S., & Co. (Hy. S. Thornberry and H. D. Thornberry), electrical engineers and contractors, 89 King street, West Toronto, Ont. K K F.

Thornton, A. E., retail dealer in fixtures, bells, etc., 610 17th st., Denver, Col. 1.

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Thurber, Horace K., President of the Safety Insulated Wire and Cable Co., and President of the Complete Electric Construction Co., New York, N. Y.

Thurman, R. W., dealer in bells, etc., 625 Main street, Lynchburg, Va. N G.

Thurston, Geo. H. (Providence Electrical Supply Co.), Providence, R. I.

Thurston, Geo. H., & Co., (Geo. H. Thurston, Walter I. Thurston), Proprietors of Providence Electric Supply and Electric Engineers, 59 South Main street, Providence, R. I. P G.

Thurston, Walter I. (Providence Electrical Supply Co.), Providence, R. I.

Tillinghast, J. W., President National Automatic Fire Alarm Co., Buffalo, N. Y.

Tillotson, F. M. (Davenport Electric Supply Co.), Davenport, Iowa.

Tisdall, Edward W., General Selling Agent of Brush Electric Co., 58 South 3d street, corner Chestnut street, Philadelphia, Pa.

Titus, Nelson V., Treasurer Economic Electric Manufacturing Co., Boston, Mass.

Tompkins, C. G., Manager of Berkshire Electric Co., 16½ North street, Pittsfield, Mass.

Tompkins, D. A., Engineer the D. A. Tompkins' Co., Charlotte, N. C., Atlanta, Ga.

Tompkins, D. A., Co., The (R. M. Miller, President; D. A. Tompkins, Engineer; R. M. Miller, Jr., Treasurer), engineers and contractors for electric light and power plants, 86 College street, Charlotte, N. C.; 45 South Prior street, Atlanta, Ga. V V H.

Torrey, Herbert, with Standard Thermometer Co., Peabody, Mass.

Torrey, J. A., President of the Stellar Electric Co., Boston, Mass.

Terry, Sidney W., bell hanger, 340 Bedford avenue, Brooklyn, N. Y. M.

Tower, D. H. & A. B., mechanical engineers, Holyoke, Mass. 40.

Townsend, H. E., Treasurer of Electrical Safety Co., Boston Mass.

Tracy, J. J., Vice-President Brush Electric Co., Cleveland, Ohio.

Train and Electric Signal Co. (F. E. Atteaux, President; La Dean, Secretary and Treasurer), manufacturers of electric systems for train signals, etc., 118 Devonshire street, Boston, Mass. Q 29.

Trainer, Charles W., & Co. (C. W. Trainer, President and Treasurer; H. R. Trainer, Secretary), manufacturers vulcabeston for electrical work, 44 Oliver street, Boston, Mass. P P G.

Trainer, H. R., Secretary Charles W. Trainer & Co., Boston, Mass.

Trawick, S. W., with Excelsior Electric Co., Chicago, Ill.

Trebus, A. C. (Baumann Lock and Alarm Co.), St. Louis, Mo.

Tregoning, John, Superintendent Thomson Electric Welding Co., Lynn, Mass.

Tregurtha, A. T. (Murray & Tregurtha), Boston, Mass.

Tremaine, H. A., Superintendent the Standard Carbon Co., Cleveland, Ohio.

Tremper, E. P., Treasurer Electric Construction Co., Lawrence, Kan.

Trent, L. C., Agent Westinghouse Electric Co., 7 West Second South street, Salt Lake City, Utah.

Triggs, H. A. (Dey & Triggs), Denver, Col.

Tropical American Telephone Co., The (Chas. Williams, Jr., President; J. H. Howard, Vice-President; Chas. W. Jones, Treasurer), 95 Milk street, Boston, Mass. G 85.

Trowbridge, Prof. W. P., School of Mines, Columbia College, New York, N. Y.

Troy Electric Dynamo Co. (Justus Miller, President; Chas. E. Hartwell, Vice-President; Wm. L. Hall, Secretary and Treasurer; C. F. Winkler, Electrician; L. M. Sawyer, Electrical Engineer), manufacturers of Winkler Dynamo, 553 River street, Troy, N. Y. R H.

True, Henry W., electrical engineer, Natick, Mass. 40.

Truex, Charles R. (Assistant General Manager Electrical Accumulator Co., New York.

Trump, Chas. E., President and General Manager Novelty Electric Co., Philadelphia, Pa.

Tucker, Burr, President Plume and Atwood Manufacturing Co., Waterbury, Conn.

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Tucker, C. A., President Tucker Electrical Construction Co., New York.

Tucker Electrical Construction Co. (C. A. Tucker, President; L. A. Chandler, Secretary; W. E. Gavit, Treasurer), electrical constructors and engineers 14 to 20 Whitehall street, New York. V G.

Tucker, J. R., President the Hinckley Manufacturing Co., Aurora, Ill.

Tucker, Seymour (New Jersey Electric Co.), Newark, N. J.

Turner, Charles P., anylitical chemist and mineralogist, 1 Carleton avenue, Atlanta, Ga. 40.

Turner, Wm. S. (Woodbridge & Turner), New York, N. Y.

Tunbridge, S. J., Secretary and Treasurer of Utica Fire Alarm Telegraph Co., Utica, N. Y.

Tuxworth, D. Howard (Southern Electric Co.), Baltimore, Md.

Tweedy, Edmund, President of Roberts-Brevoort Electric Co., Limited, New York City.

Tyler, E. W., Electrician and Manager Providence Construction Co, Providence, R. I.

Tyler, M. F., President of the Southern New England Telephone Co., New Haven, Conn.

U.

Uebelacker, Charles F., student Princeton Electrical School, Princeton, N. J.

Ulenhaut, Fritz, Jr. (Field Engineering Co.), New York, N. Y.

Underwood, Geo., Secretary of the Empire State Telephone and Telegraph Co. Auburn, N. Y.

Underwood, H. M., Agent for Interior Insulation and Conduit Co., P. O. Box 3453, Boston, Mass.

Union Electric Car Co. (L. M. Child, President; J. H. Alley, Vice-President; Fred A. Robeson, Secretary; Col. E. H. Hervins, General Manager), manufacturers of storage battery cars, 18 Post Office Square, Boston, Mass. W. H.

Union Electrical Construction Co. (John Stocker, President and Treasurer; Chas. Stagl, Secretary and General Manager), consulting engineers and contractors, 312 North 11th street, St. Louis, Mo. K K F 12.

Union Glass Co. (J. P. Gregory, Agent; Thomas Dana, President; Lewis Hall, Treasurer), manufacturers of electric bulbs, shades, globes, etc., 86 India street, Boston, Mass. V. V. H.

Union Hardware Co., manufacturers of push button shells, Torrington, Conn. W G.

Union Porcelain Works, manufacturers of hard porcelain insulators, 800 Eckford street, Brooklyn, N. Y. Z H.

United Electric Co. (A. A. Moulton), dealers in electrical supplies, First South street, Salt Lake City, Utah. B B F.

United Electric Co. (T. K. Stevens, President; M. C. Godbe, Vice-President; W. G. Hampton, Secretary; A. A. Moulton, Treasurer and Superintendent), manufacturers of electric supplies, Culmer Block, First South street, Salt Lake City, Utah. P G.

United Electric Co., The (W. E. Iriah, President; T. D. Orvin, Vice-President; O. J. Campbell, Assistant Secretary and Treasurer), 417-18-19 Society for Savings Building, Cleveland, Ohio. New organization. 65.

United Electric Equipment Co., Agents for the Wenstrom Consolidated Dynamo and Motor Co., No. 706 Walnut street, Philadelphia, Pa. Branches: Chicago, Ill.; Wilmington, Del.; Washington, D. C.; Pittsburgh, Pa.; Wilkes Barre, Pa. R G.

United Electric Improvement Co., 841 Drexel Building, Philadelphia, Pa. X X H.

United States Electric Lighting Co., The (Geo. W. Hebard, President; Leonard E. Curtis, Secretary; Ph. Ferd. Kobbe, Treasurer; W. F. Zimmerman, General Superintendent), manufacturers of electric apparatus, 120 Broadway, New York (leased and operated by the Westinghouse Electric Co.). Works: Newark, N. J.

United States Electric Safety Co. (B. N. Cohen, President; D. N. Backlin, Secretary; A. J. Dam, Treasurer; L. N. Downs, General Manager), manufac-

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turers of Crandall's electric protector, 291 Broadway, New York. 75.

Upp, J. W., Superintendent and Electrician Franklin Electrical Co., Peabody, Mass.

Upton, Edgar W. (Standard Thermometer Co.), Peabody, Mass.

Upton, Francis R., Treasurer and General Manager Edison Lamp Co., Harrison, N. J.

Utica Fire Alarm Telegraph Co. (F. W. H. Sheffield, President; S. J. Tunbridge, Secretary and Treasurer; A. H. Palmer, Superintendent and Electrician), manufacturers of electrical supplies, 106 Liberty street, Utica, N. Y. V G.

V.

Vail, J. H., electrical engineer, assistant to the President Sprague Electric Railway and Motor Co., New York, N. Y.

Vail, Theo. N., President Metropolitan Telephone and Telegraph Co., New York, N. Y.

Valencia Mica Co., manufacturers of mica, 115 Broadway, New York. M.

Valentine, Edward, bell hanger, 221 Pearl street, Buffalo, N. Y. D D F.

Van Bibber, Claude, M. D., Secretary and Treasurer the John A. Barrett Battery Co., Baltimore, Md.

Van Brunt, W., Treasurer and Manager Duluth Telephone Co., Duluth, Minn.

Vance, A. St. Clair, 65 Fifth avenue, New York City.

Van Denburg, J. (Cowl & Van Denburg), Chicago, Ill.

Van Depoele, Charles J., Electrician Electrical Railway Department Thomson-Houston Electric Co., Lynn, Mass.

Van Electrical Co. (Frank Van Epps, Proprietor), dealer in electrical goods, Hudson, Mich. B G.

Van Emon, B. C., electrician, 707 Bush street, San Francisco, Cal. 40.

Van Epps, Frank, Proprietor Van Electrical Co., Hudson, Mich.

Van, Frank E. M., dealer in electrical supplies, Hutchinson, Kan. 75.

Van Horne, John, Vice-President of the Gold and Stock Telegraph Co., New York.

Van Kirk & Co. (G. C. Van Kirk), dealers in electric fixtures, 531 Wood street, Pittsburgh, Pa. P G.

Van Kirk, G. C. (Van Kirk & Co.), 531 Wood street, Pittsburgh, Pa.

Van Nuis, C. S., manufacturer of switches, 74 Cortlandt street, New York. 75.

Varley, Richard, Jr., Electrician Okonite Insulated Wire Co., Passaic, N. J.

Verrill, J. W., manufacturer of electric machinery, 34 Railroad street, Auburn, Me. 75.

Vetter, J. C., Vice-President J. C. Vetter & Co., New York City.

Vetter, J. C., & Co. (J. C. Vetter, Vice-President), manufacturers of electrical medical goods, 214 East 47th street, New York City. 75.

Vetterlein, B. F., Treasurer of Roberts-Brevoort Electric Co., Limited, New York City.

Vesy, Wm., Jr., General Contracting Agent the Bell Telephone Co. of Buffalo, Buffalo, N. Y.

Viaduct Manufacturing Co. (A. G. Davis, President and Treasurer; J. R. Johnson, secretary; A. B. Davis, General Manager), manufacturers of electric supplies, Baltimore, Md. Y H.

Vidy, James G., Electrician Hayes Street Car House, San Francisco, Cal.

Villard, Henry, President of Edison General Electric Co., New York, N. Y.

Vinton, John, Mechanical Superintendent Economical Electric Manufacturing Co., Boston, Mass.

Vivarttas, A. (C. H. Sewall & Co.), New York, N. Y.

Voelkner, Henry A. (Michigan Electrical Works), Detroit, Mich.

Vogel Electric Insulating and Manufacturing Co., 190 Congress street, Boston, Mass. 75.

Volge, Henry, bell hanger, 153 River street, Troy, N. Y. B F.

Volta Eclipse Electrical Manufacturing and Supply Co., electrical engineers and contractors, 230 Main street, Memphis, Tenn. 75.

Volta-Medico Appliance Co., manufacturers of medical appliances, 116 North 7th street, St. Louis, Mo. A A Q 10.

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Volta Electric Battery Co., Baltimore, Md. Incorporated but not yet organized.

Volunteer Fire Alarm Co., manufacturers of fire alarms, 104 Main street, Springville, N. Y. 75.

Von Tobel, R. H. (Kips & Von Tobel), New York, N. Y.

Vasbury, W. C., Manufacturing Co., manufacturers of electric fixtures, 184 Wabash avenue, Chicago, Ill. W H.

Vulcanized Fibre Co. (Wm. Courtenay, President; Jos. L. McDaniel, Vice-President; Geo. L. Courtenay, Secretary; Frank Taylor, Treasurer and Superintendent), manufacturers of vulcanized fibre, Wilmington, Del. N. Y. office, 14 Dey street. Y G.

W.

Wacker, George G., electric organs, 3644 Third avenue, New York, N. Y. 75.

Waddell-Entz Electric Co., The (Montgomery Waddell, President; J. A. Machado, Secretary; Justus B. Entz, Treasurer), manufacturers of electric motors, dynamos, etc., 18 Columbia street, Brooklyn, N. Y. W G.

Waddell, Montgomery, President of the Waddell-Entz Electric Co., Brooklyn, N. Y.

Wadsworth, Herbert, Manager Western Office Excelsior Electric Co., 425 Rookery Building, Chicago, Ill.

Wagstaff, J. Hearle, commission electrical supplies, Amherst, Nova Scotia. P. O. Box 554. 75.

Wainman, C. P., General Superintendent Northwestern Telephone Exchange Co., Minneapolis, Minn.

Waite & Bartlett Manufacturing Co., The, (Henry E. Waite, President; Horatio J. Brewer, Vice-President; L. M. Waite, Secretary; H. F. Waite, Superintendent), manufacturers of electric medical apparatus, 143 East 23d street, New York City. 75.

Waite, Henry E., President Waite & Bartlett Manufacturing Co., New York City.

Waite, H. F., Superintendent the Waite & Bartlett Manufacturing Co., New York.

Waite, L. M., Secretary the Waite & Bartlett Manufacturing Co., New York City.

Waldo, Dr. Leonard, Electrical Engineer of the Aluminum Brass and Bronze Co., Bridgeport, Conn.

Walker Electric Co., The (Edwin Scott, President; Geo. W. Walker, Vice-President and General Manager; Lewis G. Tewksbury, Secretary and Treasurer), manufacturers of electric meters, 50 Broadway, New York. 75.

Walker, George, Vice-President Providence Gas Burner Co., Providence, R. I.

Walker, I. C. (Walker & Kepler), Philadelphia, Pa.

Walker & Kepler (I. C. Walker, H. G. Kepler), incandescent electric light wiring, 106-108 South 4th street, Philadelphia, Pa. P P G.

Wall, F. J., Treasurer Culp Electric Brush Co., The, New York.

Wall, Michael J., telephone manager, 948 Mission street, San Francisco, Cal.

Wall, Wm. H., bell hanger, 394 4th avenue, New York. B B F.

Wallace, A. C., dealer in poles, Manchester, N. H. M Q.

Wallace, Geo. Y., President the Rocky Mountain Bell Telephone Co., Salt Lake City Utah.

Wallace, J. B., General Manager the Electrical Supply Co., Ansonia, Conn.

Wallace & Sons, brass and copper rolling mills, New York, N. Y.

Wallace, Thos., Jr., Secretary the Electrical Supply Co., 55 Main street, Ansonia, Conn.

Walls, C. W., & Co., manufacturers of trusses for lights over streets, bonnets, fittings, etc., 44 Lagrange street, Worcester, Mass. G 85.

Walsh, J. C., manufacturer of gasoline torches, 48 West Adams street, Chicago, Ill.

Walsh, Wm. E., manufacturer of electro-medical apparatus, 7 West 24th street, New York, N. Y.

Walsh, Owen, dealer in electrical supplies, 105 Walker street, New York, N. Y. N. G.

Walter, Henry E., Schenectady, N. Y. 75.

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Walter, H. H., General Manager the Card Electric Motor and Dynamo Co., Cincinnati, Ohio.

Walters, Edward G., Electrical Engineer Thomson-Houston Electric Co., Boston, Mass.

Walworth & Lawton Manufacturing Co., dealers in cross arms, South Bend, Ind. S. H.

Ward, Richard J. (Brooklyn Electric Manufacturing Co.), Brooklyn, N. Y.

Warden, D. R. (Pittsburgh Electric Co.), Pittsburgh, Pa.

Wardell, George P., Chief Clerk Construction Department United States Electric Light Co., 19 Cedar street, Newark, N. J.

Warden, Harold B., President and Manager Sprague-Warden Electric Co., Carthage, Mo.

Waring, Richard S., 205 Penn Building, Pittsburgh, Pa.

Warner, C. D., President and Manager of the Standard Electric Time Co., New Haven, Conn.

Warner, H. H., Rochester, N. Y., President of the Shaver Corporation, New York City.

Warrel, F. G., Proprietor of National Electric Co., Philadelphia, Pa.

Warren Thread Works, Westfield, Mass., manufacturers of insulated thread, yarn in skeins, on spools, cones and on braider bobbins for wire coverers. Yarn colored to sample.

Washburn, Andrew, Vice-President the National Electric Construction Co., Boston, Mass.

Washburn, Chas. F., Vice-President and Secretary Washburn & Moen Manufacturing Co., Worcester, Mass.

Washburn & Moen Manufacturing Co. (Philip L. Moen, President and Treasurer; Chas. F. Washburn, Vice-President and Secretary; P. W. Moen, General Superintendent), manufacturers of wire, Worcester, Mass. X X X H.

Washington Electric Conduit Co., The (John Lynch, President; G. Y. Atlee, Secretary; Wilmot Lake, Superintendent), manufacturers and constructors of glazed terra-cotta, Conduit Room, 36 Corcoran Building, Washington, D. C. (Not Incorporated). 75.

Washington Electrical Construction Co. (C. W. Messner, Manager), 1225 F. street. N. W., Washington, D. C. E G.

Waterbury, F. S. (McKenney & Waterbury), Boston, Mass.

Waterloo Electric Co., The (G. J. Mack, G. P. Beck, Jr.), dealers in electric supplies, Waterloo, Iowa. G 59.

Waters, B. E., Vice-President of Waters Electric Time Switch Co., Brockton, Mass.

Waters, E. E., Counsellor for the Aluminum Battery Electric Light and Power Co., New York, N. Y.

Waters Electric Time Switch Co. (M. E. Hatch, President; B. E. Waters, Vice-President; W. F. Jones, Treasurer and Manager), manufacturers of electric time switches and train indicators, 180 Main street, Brockton, Mass. 75.

Waters, R. H., Treasurer of New England Printing Telegraph Co., Boston, Mass.

Watson, Geo. B., Treasurer the Gould & Watson Co., Boston, Mass.

Watson, Henry M., President the Bell Telephone Co. of Buffalo, Buffalo, N. Y.

Way & Co. (S. L. Way and R. F. Way), dealers in electric supplies, 344 Main street, Hartford, Conn. R G.

Way, R. F. (Way & Co.), Hartford, Conn.

Way, S. L. (Way & Co.), Hartford, Conn.

Wayland, C. N., President and Treasurer of Holmes, Booth & Haydens, New York.

Wayne Electrical Works (Wm. Scott, John J. Matheson), contractors for electrical work, 47 Rowland street, Detroit, Mich. D F.

Weaver, W. D., Assistant Engineer U. S. N., New York Navy Yard.

Webb, H. E., Traveling Representative Solar Carbon and Manufacturing Co., Pittsburgh, Pa.

Weber, George, President of National Electric Co., Limited, Pittsburgh, Pa.

Webster, Edwin S., Electrical Engineer of the Massachusetts Electrical Engineering Co., Boston, Mass.

Webster, F. F., electrical bell manufacturer, Chelsea, Mass., 72 Park street. 75.

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Webster, F. W., Purchasing Agent Thomson-Houston Electric Co., Boston, Mass.

Webster, M. B., Secretary McGuire Manufacturing Co., Chicago, Ill.

Weemes, David G., Manager Electro-Automatic Transit Co., Baltimore, Md.

Welch, C. D., electrical contractor, 90 La Salle street, Chicago, Ill. 75.

Welch, W. C., Vice-President of the Columbia Incandescent Lamp Co., St. Louis, Mo.

Wells, C. B., Cashier of New England Telephone and Telegraph Co., Boston, Mass.

Wells, E. H., General Agent of the North American Construction Co., Pittsburgh, Pa.

Wells, H. H. (Hedge & Wells), Providence, R. I.

Wells, C. T., Treasurer Perkins Electric Lamp Co., Hartford, Conn.

Wells, Wm. H., Secretary Detroit Electrical Works, Detroit, Mich.

Weller, Jacob, Vice-President the Card Electric Motor and Dynamo Co., Cincinnati, Ohio.

Wenstrom Consolidated Dynamo and Motor Co., The (E. L. Ferris, President; W. I. Rasin, Secretary; F. C. Latrobe, Treasurer), manufacturers of dynamos and motors, 7 N. Calvert street, Baltimore, Md. W H.

Werlmann, H., Manager A. Schoveling, Agent for Dr. Gassner's Dry Battery, New York.

Wernse, H. H., Secretary Electric Dates and Time Stamp Co., St. Louis, Mo.

West & Dixon (Gardner N. West and Fred W. Dixon), manufacturers of electric wood work, cut-outs, etc., 11 Hawkins street, Boston, Mass. B B F.

West, Gardner N. (West & Dixon), Boston, Mass.

West, H. T., Secretary Wisconsin Storage Battery Co., Milwaukee, Wis.

Western Electric Co. (E. M. Barton, President; Norman Williamson, Vice-President; J. M. Jackson, Secretary and Treasurer), manufacturers of electrical apparatus, 227 to 251 S. Clinton street, Chicago, Ill.; 62–68 New Church street, New York; 109 Court street, Boston, Mass.; 59 Moorgate street, London, Eng.; 33 Rue Boudewigns, Antwerp. X X X H.

Western Electrical Co., Cincinnati, Ohio. O T 58.

Western Electrical Supply Co. (T. J. Wilson, President and Manager; P. H. Reichhardt, Vice-President), dealers in electric supplies, 310 North 3d street, St. Louis, Mo. E G.

Western Engineering Co., general electrical engineers, Kearney, Neb. G 85.

Western Pennsylvania Electric Co. (Irwin Redpath, Proprietor), electric engineer and contractor, 125 Fifth avenue, Pittsburgh, Pa. 75.

Westinghouse, Church, Kerr & Co. (H. H. Westinghouse, Wm. Lee Church, Walter C. Kerr, Isaac H. Davis), contracting and consulting engineers, 17 Cortlandt street, New York; 620 Atlantic avenue, Boston. W H.

Westinghouse Electric Co., The (Geo. Westinghouse, Jr., President; H. M. Byllesby, Vice-President and General Manager; John Caldwell, Treasurer; A. T. Rowand, Secretary and Assistant Treasurer; J. S. Humbird, Assistant General Manager; Chas. S. Pease, General Superintendent; Albert Schmid, Superintendent of Shops; O. B. Shallenberger, Electrician; Wm. Stanley, Jr., Consulting Electrician; W. L. McCullagh, Auditor), manufacturers of electric apparatus, Pittsburgh, Pa. X X X H.

Westinghouse, Geo., Jr., head of the Westinghouse interests, Pittsburgh, Pa.

Westinghouse, H. H. (Westinghouse, Church, Kerr & Co.,) N. Y. and Boston.

Weston Electric Instrument Co. (F. O. Matthiessen, President; Edward Weston, Vice-President; H. E. Niese, Secretary; Richard C. Fissenden, Treasurer), manufacturers of electrical measuring instruments, 114 and 116 William street, Newark, N. J. W F.

Wetmore, R. C., Secretary and Treasurer Chicago Telephone Co., Chicago, Ill.

Wetteroth, L., Secretary, Treasurer and Superintendent Fay Gas Fixture Co., St. Louis, Mo.

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Wetzler, Joseph, Secretary the "Electrical Engineer," New York City.

Whall, C. H., Manager of Laminar Fibre Goods Co., Boston, Mass.

Wheeler, Elbert, Proprietor Wheeler Reflector Co., Boston, Mass.

Wheeler, Summer, Treasurer of Globe Gas Light Co., Boston, Mass.

Wheeler Reflector Co., (Elbert Wheeler, Proprietor), manufacturers of reflectors for electric lights, 18 Washington street, Boston, Mass. S G.

Wheeler, S. S., President Crocker-Wheeler Motor Co., New York City.

Wheeler, Wm. (Wm. Wheeler & Co.), Syracuse, N. Y.

Wheeler, Wm. & Co. (Wm. Wheeler, David R. Stafford), electricians, 31 N. Warren street, Syracuse, N. Y. 75.

Whipple's Electric Reports, published by the Fred H. Whipple Co., Detroit, Mich.,

Whipple, Fred H., President the Fred H. Whipple Co., Detroit, Mich.

Whipple, Fred H., Co., The (Fred H. Whipple, President; George O. Hammond, Secretary; H. A. Barker, Treasurer), electrical compilers and publishers, Detroit, Mich. New York office, Temple Court.

Whipple's National Electrical Directory, published by the Fred H. Whipple Co., Detroit, Mich.

Whiting, C. H., Superintendent of the Pulsion Telephone Co., Boston, Mass.

Whiting, F. J., Treasurer Boston Electric Iron Co., Boston, Mass.

White, A C., Superintendent Providence Telephone Co., Providence, R. I.

White, C. A., President and General Manager Eco Magneto Clock Co., Boston, Mass.

White, E. F., Secretary and Treasurer of Field Engineering Co., New York,

White, F. R., manufacturer White's Incandescent Deflector, 620 Atlantic avenue, Boston, Mass. B G 18.

White, J. G., Manager the Western Engineering Co., Kearney, Neb.

White, L. S., President the Electrical Appliance Manufacturing Co., Waterbury, Conn.

White, R. T., inventor of patented material for electric railways, Room 6, 12 Pearl street, Boston, Mass. Q.

White, Will. F., Electrical Engineer, Secretary and Treasurer the Western Engineering Co., Kearney, Neb.

White, Wm. Henry, Contractor for Electric Light Works, 32 Pine street, New York. R R G.

Whitmore, W. G., Electrical Engineer United Edison Manufacturing Co., New York, N. Y.

Whitney, F. R., dealer in electric supplies, 80 Lisbon street, Lewiston, Me. L F.

Whitney, James E., President Gould-Tisdale Revolving Semaphore Co., So. Boston, Mass.

Whitney, W. Beaumont, President of the Quaker City Electric Co., Philadelphia, Pa.

Whitney, W. S. (Noxon & Whitney), Middleton, Conn.

Whitling, C. N., Secretary and Treasurer of Electric Time Advertising Co., Boston, Mass.

Whittingham, G. H., Inventor of the Automatic Switch Co., Baltimore, Md.

Wickersham, C. H. (Janney & Wickersham), Pottstown, Pa.

Wight, Wm. W., Electrician of Coast Div. So. Pac. R. R. Co., 25th and Valencia streets, San Francisco, Cal.

Wightman, Merle J., Electrical Engineer and Inventor Thomson-Houston Electric Co., Lynn, Mass.

Wilbur, G. A., Agent for Ft. Wayne Electric Co., 907 Filbert street, Phila., Pa.

Wilcox, L. M., bell hanger, 219 Market street, Newark, N. J.

Wilder, C. W., Treasurer of Electric Fire Protective Co., New York, N. Y.

Wildt, E. A. & Co., manufacturing electricians, 82 Murray street, New York City. 75.

Wiley, Geo, L., Eastern Manager Standard Underground Cable Co., 41 Park Row, New York.

Wiley, Peter B., treasurer the Bell Rock Electrical Conductor Co., Malden, Mass.

Wiley, Wm. H., scientific expert, 15 Astor place, New York, N. Y. 40.

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Wilkins, Charles M. (Partrick & Carter), Philadelphia, Pa.

Wilkins, E. Ward (Partrick & Carter), Philadelphia, Pa.

Wilkinson, A. J., & Co., dealers in electric goods, 188 Washington street, Boston, Mass. G 85.

Wilkinson, James, bell hanger, 38 Chardon street, Boston, Mass. K K F.

Wilkinson, J. E., Secretary and Treasurer Central Pennsylvania Telephone and Supply Co., Williamsport, Pa.

Wilks, Frank H., manufacturer of electrical machinery, 13 Scott's Wharf, Newport, R. I. 75.

Wilkes, Gilbert, Assistant to Inspector of Electrical Lighting Navy Department, Washington, D. C.

Willard, W. A., Secretary and Treasurer Interior Conduit and Insulation Co., New York.

Willard, W. H., & Co., dealers in electrical goods, 529 Main street, Worcester, Mass. P G 150.

Willcox, W. H., President Boston Electric Co., Boston, Mass.

Williams, Charles, Jr., President of the Tropical American Telephone Co., Boston, Mass.

Williams, David O., Treasurer of International Porte Electric Co., New York, N. Y.

Williams, Ellwood N., bell hanger, 927 Chestnut street, Philadelphia, Pa. 75.

Williams, F. C., & Co., dealers in supplies, 134 South 4th street, Philadelphia, Pa. 75.

Williams, Geo. P., bell hanger, 634 Spruce street, Philadelphia, Pa. 75.

Williams, John F., President of International Porte Electric Co., New York,

Williams, J. T., President New England Port Electric Co., Boston, Mass.

Williams & Lucas, dealers in electrical supplies, Fall River, Mass. 75.

Williams, Moses, President of the New England Weston Electric Light Co., Boston, Mass.

Williams, Norman, Vice-President Chicago Telephone Co., Chicago, Ill.

Williams, O. P., bell hanger, 503 Church street, Nashville, Tenn. B Q.

Williams, Percy G., manufacturer and dealer in medical batteries and electro-medical apparatus, 313 Fulton street, Brooklyn, N. Y. R R H.

Williams, Robert S., President Central New York Telephone and Telegraph Co., Utica, N. Y.

Willingham, E. G., manufacturer of insulator pins, brackets and electrical specialties, East 4th street, near Moon, Chattanooga, Tenn. 75.

Willms, Charles, General Manager the John A. Barrett Battery Co., Baltimore, Md.

Wills, F. Bedell (Shepherd Bros.), Philadelphia, Pa.

Willyoung, Elmer G., Electrician Queen & Co., 924 Chestnut street, Phila., Pa.

Wilmarth, T. W., & Co., dealers in electric fixtures, 225 State street, Chicago, Ill. V G.

Wilson, A. R., dealer in electrical supplies, Watertown, N. Y. D D F.

Wilson, C. H., Superintendent Chicago Telephone Co., Chicago, Ill.

Wilson, D. Leet, President the Central District and Printing Telegraph Co., Pittsburgh, Pa.

Wilson Electric Co., 48 Milk street, Boston, Mass. Q. T.

Wilson, T. J., President and Manager of Western Electrical Supply Co., St. Louis, Mo.

Wilson, Fremont, electrician, 293 Lenox (6) avenue, New York, N. Y. 40.

Wilson, John C., President and Superintendent of the Electric and Machine Co., Boston, Mass.

Wilson, John C., Vice-President of the Municipal Signal Co., Boston, Mass.

Wilson, L. E. (Storey & Wilson), New York, N. Y.

Wilson, Thos., sole owner of New York and Brooklyn Electric Co., Brooklyn, N. Y.

Wilson, Wm. (Boston Art Brass Co.), Boston, Mass.

Winchester, A. E., designer of steam and electrical plants, Wilton, Conn. 40.

Windsor, Paul, Assistant-General Superintendent of the North American Construction Co.. Pittsburgh, Pa.

Wingo, C. E., Vice-President and Treasurer Burton Electric Co., Richmond, Va.

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Winkler, C. F., Electrician Troy Electric Dynamo Co., Troy, N. Y.

Winslow, J. E., 458 Produce Exchange, New York, N. Y. 75.

Winston, H. S., President and Treasurer of the Illinois Electric Material Co., Chicago, Ill.

Winter, C. G., Treasurer of Consolidated Electric Manufacturing Co., Boston, Mass.

Winther, Charles, Superintendent Star Brass Manufacturing Co., Boston, Mass.

Wintringham, J. P., theorist, 86 Pine street, New York, N. Y. 40.

Wirt, Charles (United Edison Manufacturing Co.), New York, N. Y.

Wirsching, A., dealer in electrical supplies, 28 Centre street, New York, N. Y. P G.

Wisconsin Telephone Co. (H. C. Payne, President; C. H. Haskins, Vice-President; Jno. D. McLeod, Secretary; F. G. Bigelow, Treasurer; F. E. Parker, Superintendent), Milwaukee, Wis. X X H.

Wisconsin Storage Battery Co. (H. H. Stafford, President; A. B. Myers, Treasurer; H. T. Wert, Secretary), dealers in electrical accumulators, 871 Broadway, Milwaukee, Wis. R S.

Wise, J. B., President of the Singer Fire Alarm Co., Buffalo, N. Y.

Witherill, Silas, bell hanger, 213 Cedar street, Fort Madison, Ia. B Q 300

Woehrle, George H. (George H. Woehrle & Son), New York City.

Woehrle, George H., & Son (George Woehrle and James T. Woehrle, bell hangers, 2115 Third avenue, New York City. D G.

Woehrle, James T. (George H. Woehrle & Son), New York City.

Wolcott, Henry R., President the Colorado Telephone Co., Denver, Col.

Wolfe Electrical Co. (L. W. Wolfe), dealers in electrical supplies, 1614 Capitol avenue, Omaha, Neb. K G.

Wolff, M. R., Superintendent Wheeling District, West Va., of the Central District and Printing Telegraph Co., Pittsburgh, Pa.

Wolfram, A. C., repairing and construction, bells, etc., 706 Market street, St. Louis, Mo. D D F 100.

Wollensak, J. F., manufacturer of electric bells and bell hangers' supplies, cor. Lake and Franklin streets, Chicago, Ill. W H.

Wolton, Jas. A., Electrician of Southern Bell Telephone and Telegraph Co., Atlanta, Ga.

Wolverton, B. C., Electrician New York and Pennsylvania Telephone and Telegraph Co., Elmira, N. Y.

Wood, E. J., consulting engineer and contractor, 243 Broadway, New York, N. Y. M G.

Wood, F. G., Secretary and Treasurer Central New York Telephone and Telegraph Co., Utica, N. Y.

Wood, Newman A., dealer in supplies, 1123 Chestnut street, Philadelphia, Pa. 75.

Woodbury, T. C., Treasurer of Maine Auxiliary Fire Alarm Co., Portland, Me.

Woodbridge, J. Lester (Woodbridge & Turner), New York, N. Y.

Woodbridge & Turner (J. Lester Woodbridge and Wm. S. Turner), electrical engineers, 74 Cortlandt street, New York, N. Y. 40.

Woodman, Durand, electrical chemist, 52 Broadway, New York City. 40.

Woodman, E. F., Superintendent and Electrician American Fire Alarm Co., Boston, Mass.

Woodring, W. H., President and General Manager Kansas City Electrical Works, Kansas City, Mo.

Woodruff, H. O., Agent Sprague Electric Railway Co., Des Moines, Ia.

Woods Electric Co., dealers in electrical apparatus, Cincinnati, Ohio. 75.

Woodward & Co. (Henry W. Woodward, President; John S. Anderson, Secretary and Treasurer), electrical supplies, 11 King street, Toronto, Can. 75.

Woodward, Henry W., President of Woodward & Co., Toronto, Can.

Woodworth & Smith, electricians, Cincinnati, Ohio. 40.

Wooley Electric Co., Cambridge, Ohio. F 85.

Woolley, C. P. (Jos. C. Woolley & Co.), Hartford, Conn.

Woolley, Jos. C. (Jos. C. Woolley & Co.), Hartford, Conn.

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Woolley, Jos. C., & Co. (Jos. C. Woolley and C. P. Woolley), dealers in electric supplies, 53 Asylum street, Hartford, Conn. R R G.

Woolverton, W. H., Vice-President of Gamewell Fire Alarm Co., New York, N. Y.

Wooster, W. M., manufacturer of telephones, Wellsville, Ohio. B F.

Worthington, George, Editor "Electrical Review," 13 Park Row, New York.

Wright, Alex. P., Manager of Wright Electrical Engineering Co., Boston, Mass.

Wright, Anemi W., Alma, Mich. (Macdonald Bros. & Co.), Detroit, Mich.

Wright, B. H. (Ames, Wright & Co.), St. Paul, Minn.

Wright Electrical Engineering Co. (Frank Riddon, President; C. H. Herrick, Secretary; Alex. P. Wright, Manager; Otis K. Stuart, Treasurer), consulting and contracting engineers, 196 Summer street, Boston, Mass. 75.

Wright, Geo. L., President of the River and Rail Electric Co., New York, N. Y.

Wright, M. L., dealer in electrical supplies, 1812 7th street, Seattle, Washington. B 85.

Wunder, F. A., Western Agent Schuyler Electric Co., 119 La Salle street, Chicago, Ill.

Wyckoff Pipe Co., manufacturers of electric conduits, Williamsport, Pa. S G.

Wyeth, J. H., Vice-President Fay Gas Fixture Co., St. Louis, Mo.

Wyeth, Jno. H., Jr., Editor of Whipple's Electric Reports, Detroit, Mich.

Y.

Yeaton, W. H., President Southwestern Electrical Supply Co., Kansas City, Mo.

Yenamine, W. W., Secretary and Treasurer St. Joseph Electrical Supply Co., St. Joseph, Mo.

Yenamine, Frank P., Manager St. Joseph Electrical Supply Co., St. Joseph, Mo

Yost, C. E., Vice-President and General Manager of the Nebraska Telephone Co., Omaha, Neb.

Young, A. M., contractor for organization and complete equipment of electric lighting plants, 102 Bank street, Waterbury, Conn. S S H.

Young, J. B., President and Treasurer Solar Carbon and Manufacturing Co., Pittsburgh, Pa.

Young, Joseph H. (Roxbury Electric Co.), Boston, Mass.

Young, Samuel, manufacturer of electric bells, Lowell, Mass. L F.

Young, S. Marsh, General Superintendent of Hall Signal Co., New York, N. Y.

Young, Walter C., Superintendent for Belcher & Loomis' Electrical Department, 91 Weybosset street, Providence, R. I.

Yowell, Dr. J. K., Vice-President of Yowell Electric Medical Co., Dallas, Tex.

Yowell Electric Medical Co. (Hugh McCallen, President; Dr. J. K. Yowell, Vice-President; H. B. Henderson, Secretary and Treasurer), manufacturers of proprietory medicines, 1005 Main street, Dallas, Texas. K K G.

Z.

Ziegler, A. Arthur (Ziegler Bros.), Boston, Mass.

Ziegler Bros. (A. Arthur Ziegler, J. Oscar Ziegler), manufacturers and dealers in electrical instruments and supplies, 73 Federal street, Boston, Mass. R G.

Ziegler, J. Oscar (Ziegler Bros.), Boston, Mass.

Zimmer, John, bell hanger, 51 South Hawk street, Albany, N. Y. 75.

Zimmerman, E. E., Agent New England Electric Safety Co., Boston, Mass.

Zimmerman, W. F., General Superintendent the United States Electric Lighting Co., 120 Broadway, New York.

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ALPHABETICAL LIST

—OF—

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In the following pages will be found only such firms as cater specially to the Electrical Trade. It is not intended to be a complete directory of the general trades, but the names are inserted by special request.

A.

Adams, S., & Son, manufacturers of water wheels, Rome, N. Y.

Adams, T. B., & Co., manufacturers of belting, 4 Howley street, Boston, Mass.

Aetna Machine Co., The, manufacturers of engines, Warren, Ohio.

Akron Belting Co., dealers in belting, Akron, Ohio.

Albany Steam Trap Co., manufacturers of Steam Traps, 62 Church street, Albany, N. Y.

Alexander Bros., manufacturers of belts, 410 North Third street, Philadelphia, Pa.

Allan, J. B., Manager Chicago office E. P. Allis & Co., 48 South Jefferson street, Chicago, Ill.

Allen Manufacturing Co., manufacturers of boilers, 55 South Canal street, Chicago, Ill.

Allis, The Edward P., Co., manufacturers of of steam engines.

Altoona Manufacturing Co., manufacturers engines, Altoona, Pa.

American Paper Pulley Co., manufacturers of pulleys, Indianapolis, Ind.

American Silk Manufacturing Co., manufacturers of machine wipers, 2109 and 2111 Market street, St. Louis, Mo.

American Steel Car Wheel Co., manufacturers of steel car wheels, 180 Summer street, Boston, Mass.

American Tool and Machine Co., manufacturers of belt controllers, 84 Kingston street, Boston, Mass.

Ames Iron Works, manufacturers of boilers, 18 South Canal street, Chicago, Ill.

Andrews, Wm. T., Agent Goldsmith's valves, 55 Oliver street, Boston, Mass.

Armington & Sims Engine Co., manufacturers of engines, Providence, R. I.

Armstrong Manufacturing Co., manufacturers of tools, Bridgeport, Conn.

Army, C. W., & Son, manufacturers of belting, 228 and 230 North Third street, Philadelphia, Pa.

Atkins, E. C., & Co., dealers in belting, Memphis, Tenn.

Atlas Engine Works, builders of engines, Indianapolis, Ind.

Atlas Refining Co., manufacturers of oils, Buffalo, N. Y.

B.

Babcock & Wilcox, manufacturers of boilers, 30 Cortlandt street, New York.

Backus Water Motor Co., manufacturers of water motors, 61 New Jersey Railroad avenue, Newark, N. J.

Baker Iron Works, dealers in engines and boilers, Los Angeles, Cal.

Ball Engine Co., builders of Ball engines, Erie, Pa.

Baragwanath, Wm., & Son, manufacturers of feed water heaters, 56 West Division street, Chicago, Ill.

Barber Brothers, manufacturers of engines and boilers, 309 Lock street, Syracuse, N. Y.

Barker & Nourse, patent attorneys, 425 Main street, Worcester, Mass.

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Barnes, W. F. & John, Co., manufacturers of drills, Rockford, Ill.

Barnum Brothers & Co., manufacturers of leather belting, 187 River street, Troy, N. Y.

Barr, G. D., manufacturer of belting, 90 Pearl street, Buffalo, N. Y.

Bass Engine Co., builders of engines, Ft. Wayne, Ind.

Bay State Belting Co., manufacturers of leather belting, 119 Franklin street, Boston, Mass.

Becket Foundry and Machine Co., manufacturers of engines, Arlington, N. J.

Bee, Joseph, Proprietor National Boiler Works, 60 Fulton street, Chicago, Ill.

Belden Machine Co., The, manufacturers of tools, New Haven, Conn.

Belknap Water Motor Co., manufacturers of water motors, 22 Exchange, Portland, Me.

Bentley, E. M., Patent Attorney Thomson-Houston Electric Co., Boston, Mass.

Blackstone, C. J., dealer in belting, 272 Main street, Springfield, Mass.

Bickford & Francis, manufacturers of belting, Buffalo, N. Y.

Bigelow Co., The, manufacturers of steam boilers, New Haven, Conn.

Billings & Spencer, manufacturers of commutator bars, Hartford, Conn.

Binney & Smith, manufacturers of lampblack, carbons and chemicals, 11 Platt street, New York.

Bombeck, Daniel, boiler maker, 1005 South Eighth street, St. Joseph, Mo.

Boston Belting Co., manufacturers of and dealers in rubber belting, 256 Devonshire street, Boston, Mass.

Boston Car Spring Co., manufacturers of india-rubber goods for mechanical purposes, 146 Franklin street, Boston, Mass.

Boston Woven Hose Co., manufacturers of packing, 234 Devonshire street, Boston, Mass.

Boston Woven Hose Co., manufacturers of belting, 226 Devonshire street, Boston, Mass.

Boutwell, F. M., patent attorney, 209 Washington street, Boston, Mass.

Bradford Belting Co., manufacturers of belting, Cincinnati, Ohio.

Brady Manufacturing Co., manufacturers of machines, corner York and Washington streets, Brooklyn, N. Y.

Bromick, Joseph, manufacturer of steam boilers, 119 Jefferson street, Topeka, Kan.

Brookfield, Wm. (Bushwick Glass Works), manufacturer of glassware, 88 Fulton street, New York.

Brown, Edwin W., patent attorney, 15 State street, Boston, Mass.

Brown, Charles F., mechanical expert with Wright, Brown & Crossley, 31 Pemberton square, Boston, Mass.

Brown, C. H., & Co., manufacturers of engines, Fitchburg, Mass.

Brown & Sharpe Manufacturing Co., manufacturers of machinery and tools, Providence, R. I.

Brown, W. M., patent attorney, 448 Broadway, Albany, N. Y.

Buckingham, Chas. L., patent attorney, Western Union Telegraph Co., New York, N. Y.

Buffalo Belting Works (R. Hoffeld & Co.), manufacturers of belting, Buffalo, N. Y.

Buffalo Chemical Works, manufacturers of chemicals, Abbott Road, Buffalo, N. Y.

Buffalo Engineering Co., engineers and contractors, 228 Pearl street, Buffalo, N. Y.

Buffalo Refining Co., manufacturers of oils, Main street, Buffalo. N. Y.

Buffalo Steam Pump Co., manufacturers of steam pumps, 118 Church street, Buffalo, N. Y.

Burgess, A., & Son, manufacturers of belting, 692 North Main street, Providence, R. I.

Burke, H. C., Mfg. Co., engine builders, 516 South 7th street, St. Joseph, Mo.

Burleigh, Charles H., patent attorney, 448 Main street, Worcester, Mass.

Bushwick Glass Works (Wm. Brookfield), manufacturers of glassware, 88 Fulton street, New York.

Butman Furnace Co., manufacturers of boilers, 64 S. Clinton street, Chicago, Ill.

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C.

Canton Steam Pump Co., The, manufacturers of steam pumps, Canton, O.

Cary & Moen Co., manufacturers of steel wire and steel springs for electric instruments, 234 West 29th street, New York City.

Case, J. T., Engine Co., manufacturers of steam engines, New Britain, Conn.

Casey Boiler Manufacturing Co., manufacturers of boilers, Chattanooga, Tenn.

Chadbourne, Henry, patent attorney, 113 Devonshire street, Boston, Mass.

Chapin, Henry A., mechanical expert and solicitor of patents, 352 Main street, Springfield, Mass.

Chapin & Co., solicitors of patents, 352 Main street, Springfield, Mass.

Chamberlin, Robert, patent attorney, 356 Washington street, Buffalo, N. Y.

Chandler & Taylor, manufacturers of engines, Indianapolis, Ind.

Chase & Cooledge, dealers in belting, 12 Main street, Holyoke, Mass.

Chase, M. C., manufacturer of hard rubber goods for electrical purposes, 80 Market street, Chicago, Ill.

Chester Foundry and Machine Co., builders of engines, Chester, Pa.

Chicago Belting Co., manufacturers of belting, 26, 28 and 30 West Randolph street, Chicago, Ill.

Chicago Rawhide Manufacturing Co., The, manufacturers of belting, 75 and 77 Ohio street, Chicago, Ill.

Chicago Steam Boiler Works, manufacturers of boilers, 56 Fullerton avenue, Chicago, Ill.

Christiana Machine Co., makers of turbines, Christiana, Pa.

Church & Church, patent attorneys, 505 Wilder Building, Rochester, N. Y.

Churchman & Co., dealers in acid, 33 South Front street, Philadelphia, Pa.

Clarke & Raymond, patent attorneys, 32 Pemberton square, Boston, Mass.

Coe & Brown, manufacturers of belting, 204 George street, New Haven, Conn.

Coffin, J. H., & Co., dealers in oils and belting, Memphis, Tenn.

Colliau, Victor, inventor of the Colliau cupola, and automatic feed smokeless boiler, 287 Jefferson avenue, Detroit, Mich.

Cook, Asa L., manufacturers of Cooley's braiders and winders, Hartford, Conn.

Cooper, C. & G., & Co., builders of engines, Mt. Vernon, Ohio.

Copeland, W. A., patent attorney, 34 School street, Boston, Mass.

Corliss Steam Engine Co., The, manufacturers of engines, Charles street, Providence, R. I.

Crane, Walter E., manufacturer of oil filters, 421 13th ave., Minneapolis, Minn.

Croker Chemical Co., manufacturers of chemicals, Buffalo, N. Y.

Crosby Steam Gauge and Valve Co., manufacturers of steam valves, 95 Oliver street, Boston, Mass.

Cross Bros. & Co., manufacturers of belting, 179 Front street, Rochester, N. Y.

Crossley, Arthur W. (Wright, Brown & Crossley), patent attorney, 31 Pemberton square, Boston, Mass.

Curtis & Co., manufacturers of pulleys, 60 West Monroe street, Chicago, Ill.

Curtis Manufacturing Co., The, manufacturers of belting, 97 West Fayette street, Syracuse, N. Y.

Curtis Regulator Co., manufacturers of pressure regulators, 63 Beverly street, Boston, Mass.

Cushing, Arthur P., patent attorney, 23 Court street, Boston, Mass.

D.

Davenport Foundry and Machine Co., builders of engines, Davenport, Ia.

Davidson, Edw. C., patent lawyer, Room 179, "Times" Building, New York, N. Y.

Davidson, James T., patent attorney, 7 Exchange place, Boston, Mass.

Dean Brothers, manufacturers of pumps, Indianapolis, Ind.

Deane Steam Pump Co., The, Lewis E. Bellows, agent, manufacturers of pumps, Holyoke, Mass.

Dempster Engine Works, manufacturers of engines, 34-40 Washington street, Buffalo, N. Y.

Detroit Lubricator Co., manufacturers of sight feed lubricators and oilers, Whitney Opera House Block, Detroit, Mich.

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Dillon, D. M., manufacturer of boilers, Fitchburg, Mass.

Dixon, F. E., & Co., dealers in belting, Toronto, Ont.

Dodge, Thos. H , patent attorney, 43 Park street, Worcester, Mass.

Doty, John, Engine Co., dealers in engines, Toronto, Ont.

Dowse, W. B. H., patent attorney, 87 Milk street, Boston, Mass.

Douglass, Silas J., patent attorney, 50 Niagara street, Buffalo, N. Y.

Drake, J. R., patent attorney, 6½ Brown's Building, Buffalo, N. Y.

Dubuque Water Wheel Manufacturing Co., manufacturers of turbines, Dubuque, Ia.

Duell, R. H., patent attorney, Courtland, N. Y.

Dummer, Ed., patent attorney, 82 Water street, Boston, Mass.

E.

Eagle Boiler Works, manufacturers of boilers, Buffalo, N. Y.

Eagle & Seymour, patent attorneys, 868 Chapel street, New Haven, Conn.

Eclipse Wind Engine Co., manufacturers of friction clutches, Beloit, Wis.

Edson, William, patent attorney, 12 Pearl street, Boston, Mass.

Eimer & Amend, manufacturers and importers of chemical apparatus, 205 3d avenue, New York.

Ellery, Geo. B., dealer in electric light securities and plants, 62 Drexel Building, Wall street, New York.

Elliott, R. C., patent agent, 43 Milk street, Boston, Mass.

English, Morse & Co., dealers in engineering supplies, 1221-1223 Union avenue, Kansas City, Mo.

Emerson Power Scale Co., manufacturers of power scales, Florence, Mass.

Erie City Iron Works, builders of boilers, Erie, Pa.

Erwin & Benedict, patent attorneys, 102 Wisconsin street, Milwaukee, Wis.

Eureka Fire Hose Co., manufacturers of belting, 13 Barclay street, New York.

Evans Friction Cone Co., manufacturers of frictional gearing, 85 Water street, Boston, Mass.

Everson & Co., dealers in belting, 112 South Clinton street, Syracuse, N. Y.

Excelsior Machine and Boiler Works, manufacturers of boilers, 347 South Canal street, Chicago, Ill.

F.

Falls Rivet and Machine Co., The, manufacturers of power-transmitting machinery, Cuyahoga Falls, Ohio.

Farrar & Trefts, manufacturers of engines and boilers, 66 Perry street, Buffalo, N. Y.

Feschumacher, P. E., patent attorney, 328 Washington street, Boston, Mass.

Finnegan, J. J., manufacturer of oil drips, 2624 Shield avenue, Chicago, Ill.

Fishkill Landing Machine Co., builders of engines, Fishkill-on-Hudson, N. Y.

Fitchburg Steam Engine Co., manufacturers of engines, Fitchburg, Mass.

Flinn, W., manufacturer of boilers, 212 Clinton street, Chicago, Ill.

Foot, Homer & Co., dealers in belting, Main and State streets, Springfield, Mass.

Foote, F. M., Regulator Co., manufacturers of clutches, 53 Devonshire street, Boston, Mass.

Fraser & Chalmers, builders of engines, Union and Fulton streets, Chicago, Ill.

Frick Co., builders of engines, Waynesboro, Pa.

Fulton Engine Works, dealers in engines and boilers, Los Angeles, Cal.

G.

Gandy Belting Co., The, manufacturers of belting, Baltimore, Md.

Gibbs, Frederick H., patent attorney, 6 Bastable Block, Syracuse, N. Y.

Gilbert Car Manufacturing Co., manufacturers of street cars, Troy, N. Y.

Giles Bros. & Co., manufacturers of antimagnetic shield watches, 103 State street, Chicago, Ill.

Gillson & Benjamin, patent attorneys, Metropolitan Block, Chicago, Ill.

Globe Machine Works, builders of engines, 137 West 2d street, Cincinnati, Ohio.

Globe Leather Belting Co., manufacturers of leather belting, 1 Hartford street, Boston, Mass.

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Gore, H., & Co., street railway builders, 54 Kilby street, Boston, Mass.

Goss, Charles L., patent attorney, 401 East Water street, Milwaukee, Wis.

Goubert Heater Co. (F. O. Mathiessen, President), manufacturers of feed water heaters, 32 Cortlandt street, New York.

Government Waterproof Paint Co., The, manufacturers of paint and belt dressing for electric purposes. Factory, Watertown, Mass.; office, 122 Milk street, Boston, Mass.

Grant, J. A., & Co., contractors for power plants, 243 Franklin street, Boston, Mass.

Graphite Lubricating Co., manufacturers of graphite lubricating bearings, Jersey City, N. J.

Grant & Knight, manufacturers of leather belting, 139 Front street, Worcester, Mass.

Graves, Geo. A., & Son, dealers in belting, 324 Main street, Springfield, Mass.

Great Western Boiler Works, manufacturers of boilers, 158 Fulton street, Chicago, Ill.

Gregory, H. P., & Co., dealers in engines and boilers, Los Angeles, Cal.

H.

Haffner, Chas., manufacturer of boilers, 613 W. 22d street, Chicago, Ill.

Hamilton, C. F., dealer in belting, 39 Maiden lane, Albany, N. Y.

Hamilton & Mathews, dealers in belting, 26 Exchange street, Rochester, N. Y.

Hammitt, W. A., representing the Hoovens, Owens & Rentschler Co., manufacturers of Hamilton-Corliss engines, 18 Cortlandt street, New York.

Hanson, Van Winkle & Co., nickel and electro-platers' materials and chemicals, 219 and 221 Market street, Newark, N. J.

Harrisburg Car Manufacturing Co., manufacturers of engines, Harrisburg, Pa.

Harris, James H., representative Heine Safety Boiler Co., 28 McVicker's Theatre Building, Chicago, Ill.

Harrison Boiler Works, manufacturers of boilers, Germantown Junction, Philadelphia, Pa.

Harris, W. A., Steam Engine Co., manufacturer of steam engines, Providence, R. I.

Hartley Brothers, manufacturers of leather belting, 400 Smithfield street, Pittsburgh, Pa.

Hartsfeld Furnace and Refining Co., The, refiners of aluminum, 90–92 Thorton street, Newport, Ky.

Hawes & Chapman, patent attorneys, 319 Main street, Springfield, Mass.

Haxton Steam Heater Co., boiler makers, 114 N. 3d street, St. Joseph, Mo.

Hayes, Alex. L., patent attorney, 79 Milk street, Boston, Mass.

Hazelton Boiler Works, manufacturers of boilers, 716 East 13th street, New York.

Hazelton Tripod Boiler Co., manufacturers of boilers, 170 22d street, Chicago, Ill.

Heilborn, J., manufacturer of vacuum pumps, 17 High street, Boston, Mass.

Heine Boiler Co., manufacturers of boilers, St. Louis, Mo.

Herbert, M. E., boiler maker, 801 South 7th street, St. Joseph, Mo.

Herbst Bros., commission brokers in paraffine wax, 93 Pearl street, New York.

Hewes & Phillips Iron Works, engine builders, 2 to 24 Orange st., Newark, N. J.

Hey, Wilkinson & Parsons, patent attorneys, 24 Snow Building, Syracuse, N. Y.

Hill Clutch Works, manufacturers of clutch pulleys, Cleveland, Ohio.

Hoffeld, R., & Co. (Buffalo Belting Works), manufacturers of belting, Buffalo, N. Y.

Hoffman Lubricator and Oil Co., The, manufacturers of lubricators and oils, 78 South street, Binghamton, N. Y.

Holmes & Blanchard, dealers in shafting, hangers and pulleys, 87–89 Charlestown street, Boston, Mass.

Holmes, A. S., oil refiner, Buffalo, N. Y.

Holt, Geo. F., Agent Taylor Manufacturing Co., 77 Haverhill street, Boston, Mass.

Holyoke Machine Co., manufacturers of turbine water wheels, Main street, Holyoke, Mass., and 95 Thomas street, Worcester.

Holyoke Steam Boiler and Iron Works, manufacturers of steam boilers, 20 Crescent street, Holyoke, Mass.

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Hooven, Owens & Rentschler Co., The, manufacturers of Hamilton-Corliss Engine, Hamilton, Ohio.

Hoppes Manufacturing Co., manufacturers of feed water heaters, Springfield, Mass.

Hoskins & Shepardson, manufacturers of engines, 14 South Canal street, Chicago, Ill.

Hough, Franklin H., patent attorney, Weiting Block, Syracuse, N. Y.

Houghton, C. & F. L., patent attorneys, 28 State street, Boston, Mass.

Howson & Howson, patent attorneys, 38 Park row, New York.

Howson, Hubert, patent lawyer, 38 Park row, New York.

Hubbard, Norman, manufacturer of general machinery, 93 Pearl street, Brooklyn, N. Y.

Hudson, H. O., & Co., manufacturers of belting, 143 Front st., Worcester, Mass.

Hughes Steam Pump Co., manufacturers of steam pumps, Cleveland, Ohio.

Hunter, Jas., & Son, manufacturers of clutches, 5 Main street, North Adams, Mass.

Hunt, Henry C., & Co., manufacturers of leather belting, 45 Arch street, Boston, Mass.

Hunt, Rodney, Machine Co., manufacturers of clutches and turbine, Orange, Mass.

Hyde, R. F., patent attorney, 233 Main street, Springfield, Mass.

I.

Idell, Frank E., Agent for the Thomson Safety Boiler, 41 Dey street, New York.

International Boiler Co., manufacturers of the Sterling Boiler, 74 Cortlandt street, New York.

Inter-State Oil Co., manufacturers of lubricating oils, Kansas City, Mo.

Ireson, Charles L., manufacturer of leather link belting, 97 High street, Boston, Mass.

J.

Jackson, Porter & Co., manufacturers of boilers, 701 "Rookery," Chicago, Ill.

Jannus, Frankland, solicitor of patents, 928 and 930 F street, Washington, D. C.

Jacobs, Charles, inventor Jacob's water tube feed water heater, 55 Oliver street, Boston, Mass.

Jarecki Chemical Co., manufacturing chemists, Sandusky, Ohio.

Jarvis Engineering Co., contractors for steam plants, 61 Oliver street, Boston, Mass.

Jenks, James, dealer in pumps, boilers, etc., 199 Jefferson avenue, Detroit, Mich.

Jewell Belting Co., manufacturers of belting, Hartford, Conn.

Johns, H. W., Manufacturing Co., manufacturers of asbestos and paints, 87 Maiden lane, New York.

Jones, J. M., Sons, Agents, manufacturers of street cars, 801 3d avenue, West Troy, N. Y.

K.

Kaestiner, Chas., & Co., manufacturers of engines, 308 South Canal street, Chicago, Ill.

Karr, A., & Co., dealers in belting, Memphis, Tenn.

Keasby, R. A., manufacturer of magnesia boiler covering, 58 Warren street, New York.

Keefer, Horace A., dealer in street railway supplies, Kansas City, Mo.

Kelley, George, & Co., manufacturers of wire link belting, 211-213 Randolph street, Chicago, Ill.

Kelly, W. E., Proprietor National Iron Works, New Brunswick, N. J.

Kempton & Rowe, manufacturers of boiler compound, 650 Washington street, Milwaukee, Wis.

Kidder, Samuel, manufacturer of belting, 60 Federal street, Boston, Mass.

Killey & Wodleigh, dealers in belting, Manchester, N. H.

King, Wm. H., patent attorney, North Pearl street, Albany, N. Y.

Kioeschal Bros., manufacturers of boilers, 2 to 12 Michigan street, Chicago, Ill.

Klock, Daniel, Jr., & Co., dealers in belting, 227 River street, Troy, N. Y.

Knight, E. O., manufacturer of engines and boilers, 142 Union street, Worcester, Mass.

Knowlson & Kelley, manufacturers of engines, 86, 88 and 90 River street, Troy, N. Y.

Knowlton, Geo. B., dealer in belting, 348 Main street, Fitchburg, Mass.

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Korting Gas Engine Co., Limited, manufacturers of Gas Engines, 74 Cortlandt street, New York.

L.

Lake Erie Boiler Works, manufacturers of boilers, 254 Perry street, Buffalo, N. Y.

Lane & Bodley Co., The, manufacturers of Corliss engines, John and Water streets, Cincinnati, Ohio.

Lange, James H., patent attorney, 34 School street, Boston, Mass.

Lansing Iron & Engine Works, builders of engines, Lansing, Mich.

Lawrence, A. B., dealer in belting, Fitchburg, Mass.

Leach, Albert E., patent attorney, 87 Milk street, Boston, Mass.

Leach, H. W., & Co., masonry for electric and power plants, 243 Franklin street, Boston, Mass.

Lee Bros. & Co., dealers in belting, steam fittings, steamboat and railway supplies, etc., Memphis, Tenn.

Leffel, James, Co., manufacturers of turbines, Springfield, Ohio.

Lehigh Boiler Works, manufacturers of boilers, South Bethlehem, Pa.

Leib Lubricating Co., manufacturers of Oils, 198 Chicago street, Buffalo, N. Y.

Lenisohn Bros., refiners of metals, 81 Fulton street, New York.

Leonard, S. S., Manager Western Department, Hill Clutch Works, 28 South Canal street, Chicago, Ill.

Le Roy, J., Pine Co., dealers in belting, 279 River street, Troy, N. Y.

Lincoln & Co. (Phœnix Iron Works), 70 Arch street, Hartford, Conn.

Livermore, Joseph P., patent attorney, Room 40, Simmons' Building, 40 Water street, Boston, Mass.

Lodge, H. E., patent attorney, 4 Post Office Square, Boston, Mass.

Lombard, N. C., mechanical engineer and patent attorney, 40 State street, Boston, Mass.

Low, Wm. H., patent attorney, 30 North Pearl street, Albany, N. Y.

Lyon & Truman, manufacturers of pulleys, Bridgeport, Conn.

M.

Macleod, Wm. A., patent attorney, 60 Devonshire street, Boston, Mass.

Maclilie, Charles H., & Co., investment securities, 11 Wall street, New York.

Magnolia Anti-Friction Metal Co., manufacturers of metals for bearings, etc., 74 Cortlandt street, New York.

Main Belting Co., manufacturers of belting, 1219–1235 Carpenter street, Philadelphia, Pa., and 248 Randolph street, Chicago, Ill.

Maloney Oil and Manufacturing Co., manufacturers and dealers in oils, 8th street and Lackawanna avenue, Scranton, Pa.

Manchester Hardman Co., dealers in belting, Manchester, N. H.

Mansfield & Stimson, manufacturers of clutches and pulleys, Rutland, Vt.

Mason Regulator Co., manufacturers of pump pressure regulators, 10 Central street, Boston, Mass.

Mathiessen, F. O., President Goubert Heater Co., New York City.

Mellert Foundry and Machine Co., manufacturers of turbines, Reading, Pa.

Menasha Wood Split Pulley Co., manufacturers of pulleys, Menasha, Wis.

Meneely, Geo. R., & Son, manufacturers of car bearings, 923 First avenue, West Troy, N. Y.

Metallic Street Railway Supply Co., manufacturers of railroad supplies, Albany, N. Y.

Metcalf, Theo., & Co., dealers in acids, 39 Tremont street, Boston, Mass.

McCutcheon, C. H., dealer in belting, 18 Ohio street, Buffalo, N. Y.

McFarlain, J., & Co., manufacturers of boilers, 903 S. Halstead street, Chicago, Ill.

McGarry & Leonard, manufacturers of boilers, 36 Indiana street, Chicago, Ill.

McGowan, J. H., & Co., manufacturers of steam pumps, 46 Central avenue, Cincinnati, Ohio.

McGreggor, Geo. L., builder of boilers, 246–248 S. Clinton street, Chicago, Ill.

McIlvains, Wm., & Sons, manufacturers of boilers, Reading, Pa.

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Mica Manufacturing Co., dealers in mica, 89 Fulton street, New York.

Michigan Lubricator Co., manufacturers of sight feed lubricators and oilers, Brush and Lafayette streets, Detroit, Mich.

Middlebrook, H., Michigan agent Otto gas engine, 91 Jefferson avenue, Detroit, Mich.

Midgely Wire Belt Co., manufacturers of wire belting, Beaver Falls, Pa.

Milburn Gin & Machine Co., manufacturers of belting and boilers, Memphis, Tenn.

Miller & Hoddick, patent attorneys, 298 Main street, Buffalo, N. Y.

Mohr, John, & Son, manufacturers of boilers, 32 Illinois street, Chicago, Ill.

Moore & White Co., manufacturers of clutches, 1312 Buttonwood street, Philadelphia, Pa.

Moravia Foundry and Machine Co., manufacturers of turbines, Moravia, N. Y.

Morris Machine Co., builders of engines, Baldwinsville, N. Y.

Mosher, George A., patent attorney, 17 First street, Troy, N. Y.

Muller, W. S., representing Schultz Belting Co., 164 Summer street, Boston, Mass.

Munsell, Eugene, & Co., miners and dealers in mica, 218 Water street, New York.

Murphy, John, manufacturer of boilers, 158 Fulton street, Chicago, Ill.

N.

National Pipe Bending Co., The, manufacturers of the National Feed Water Heater, New Haven, Conn.

National Iron Works, manufacturers of boilers, New Brunswick, N. J.

National Pulley Covering Co., manufacturers of covered pulleys, 451 North street, Baltimore, Md.

National Water Tube Boiler Co., manufacturers of boilers, New Brunswick, N. J.

Newark Belting Co., manufacturers of leather belting, 291 Market street, Newark, N. J.

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New Process Rawhide Co., The, manufacturers of noiseless gears, Syracuse, N. Y.

New York Belting and Packing Co., manufacturers of rubber goods, 15 Park Row, New York.

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North American Metaline Co., manufacturers of metals for bearings, 33 Bleecker street, New York.

Northwestern Boiler Works, manufacturers of boilers, 64 Michigan street, Chicago, Ill.

Noye, John T., Manufacturing Co., The, manufacturers of Rice Engines, Buffalo, N. Y.

O.

Orgill Bros. & Co., dealers in boilers and engines, Memphis, Tenn.

Osgood, Howard L., patent attorney, 308 Wilder Building, Rochester, N. Y.

Otis Bros., manufacturers of gas engines, 38 Park Row, New York.

P.

Page Belting Co., manufacturers of belting, Concord, N. H.

Palmyra Manufacturing Co., manufacturers of boilers, 115 Monroe street, Chicago, Ill.

Palson Iron Works Co., dealers in engines, Toronto, Ont.

Parker, F. W., patent solicitor, 1001–1007 Opera House Block, Chicago, Ill.

Parkin & Bosworth, dealer in street railroad gears, 9–11 South Water street, Cleveland, Ohio.

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Pechin, Mason J., manufacturers of belting, 153 North 3d street, Philadelphia, Pa.

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Peeton Water Wheel Co., manufacturers of turbines, 121 Main street, San Francisco, Cal.

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Phœnix Brass Foundry Co., The, manufacturers of brass castings, 33 Wells street, Hartford, Conn.

Phœnix Foundry and Machine Co., manufacturers of engines and boilers, Syracuse, N. Y.

Phœnix Iron Co., builders of engines, Trenton, N. J.

Phœnix Iron Works, manufacturers of engines, Meadville, Pa.

Phœnix Iron Works (Lincoln & Co.), manufacturers of dynamo castings, 70 Arch street, Hartford, Conn.

Pinkerton, Robert, manufacturer of boilers, Green Island, N. Y.

Piper, S. N., patent attorney, 76 State street, Boston, Mass. 56 K.

Pond Engineering Co., builders of steam plants, St. Louis, Mo.

Pope, S. S., & Co., agents, manufacturers of boilers, 198 Lake street, Chicago, Ill.

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Porter Manufacturing Co., manufacturers of engines and boilers, 1423 North Salina street, Syracuse, N. Y.

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Preston, E. B., & Co., manufacturers of leather belting, 417 Fifth avenue, Chicago, Ill.

Providence Steam Engine Co., manufacturers of engines, 373 South Main street, Providence, R. I.

Pulsometer Steam Pump Co., manufacturers of steam pumps, 120 Liberty street, New York.

Putnam Machine Co., manufacturers of engines and water wheels, Fitchburg, Mass.

Q.

Queen City Chemical Co., manufacturers of chemicals, 57 Main street, Buffalo, N. Y.

R.

Racine Hardware Manufacturing Co., manufacturers of oil furnaces, Racine, Wis.

Randall, Charles L., dealer in mica, 26 Union street, Boston, Mass.

Reliance Gauge Co., manufacturers of water gauges, Cleveland, Ohio.

Remick, H. E., patent attorney, 216 Washington street, Boston, Mass.

Rhode Island Braiding Machine Co., manufacturers of machinery for covering wire, 89 Aborn street, Providence, R. I.

Rice, King & Rice, patent attorneys, 8 Post Office Block, Worcester, Mass.

Rice & Whitacre Manufacturing Co., builders of engines, 42-44 Monroe street, Chicago, Ill.

Roberts Boiler Works, The, manufacturers of water tube boilers, Red Bank, N. J.

Robinson, Almon, draughtsman, expert in methods of gearing, P. O. Box 943, Lewiston, Me.

Robinson & Cary Co., dealers in engines, etc., Fourth and Waconta streets, St. Paul, Minn.

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Russell, James, & Sons, manufacturers of boilers, West First, corner C street, Boston, Mass.

Ryan, J. J., & Co., brass founders and finishers, 72-74 West Monroe street, Chicago, Ill.

S.

Sabine, J. B., patent attorney, 181 Broadway, New York.

Schneider, N., & Co., manufacturers of boilers, 176 North Superior street, Chicago, Ill.

Schoellkopf Aniline & Chemical Co., manufacturers of chemicals, Abbott street and Iron Bridge, Buffalo, N. Y.

Schieren, Charles A., & Co., manufacturers of belting, 45 Cliff street, New York.

Schultz Belting Co., manufacturers of belting, St. Louis, Mo.

Selden, Geo. B., patent attorney, 54 Arcade street, Rochester, N. Y.

Selkirk, A., patent attorney, North Pearl street, Albany, N. Y.

Sessions, Walter L., patent attorney, 517 First National Bank Building, Chicago, Ill.

Seymore & Whitlock, general machinists, 43 Lawrence street, Newark, N. J.

Shaw, C. A., & Co., patent attorneys, 63 Court street, Boston, Mass.

Shepard, T. P., & Co., manufacturing acids, 81 Dyer street, Providence, R. I.

Shevlin, John, manufacturer of boilers, Albany, N. Y.

Shipman Engine Co., dealers in oil burning engines, 200 Summer street, Boston, Mass.

Siebert Cylinder Oil Cup Co., manufacturers of oil cups, 53 Oliver street, Boston, Mass.

Sioux City Engine Works, manufacturers of engines, Leeds, Sioux City, Iowa.

Skinner & Arnold, manufacturers of boilers, Albany, N. Y.

Skinner Engine Co., builders of engines, Erie, Pa.

Smith & Denison, patent attorneys, 13, 14 and 15 White Memorial Building, Syracuse, N. Y.

Smith, Frederick H., civil engineer, 227 East German street, Baltimore, Md.

Smith & Nichols, manufacturers of paraffine wax, 143 Front street, New York.

Snow Steam Pump Works, manufacturers of steam pumps, 63 Coal and Iron Exchange, Buffalo, N. Y.

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Spencer, A. H., patent attorney, 28 State street, Boston, Mass.

Springfield Emery Wheel Co., dealers in belting, emery wheels, etc., 33 Taylor street, Springfield, Mass.

Springfield Foundry Co., manufacturers of clutches, Liberty street, Springfield, Mass.

Standard Regulator Co., manufacturers of engineering specialties, 91 Main street, Buffalo, N. Y.

Star Engine Works, manufacturers of steam engines, 11 Charlotte street, Utica, N. Y.

Stark, Michael J., patent attorney, 377 Main street, Buffalo, N. Y.

Staver & Walker, manufacturers of machinery and vehicles, New Market Block, Portland, Oregon. M.

Steam and Street Car Improvement Co., 113 Devonshire street, Boston, Mass.

Stearns, N. W., patent attorney, 216 Washington street, Boston, Mass.

Sterns Manufacturing Co., dealers in engines and boilers, Los Angeles, Cal.

St. Louis Iron and Machine Co., builders of engines, 101 South Main street, St. Louis, Mo.

Stewart, Arthur, attorney, 213 East German street, Baltimore, Md.

Stewart Boiler Works, manufacturers of boilers, Worcester, Mass.

Stewart, T. S., & Co., dealers in belting, 488 Main street, Springfield, Mass.

Stevens, Milan F., patent attorney, 62 Devonshire street, Boston, Mass.

Stickney, J., dealer in belting, Manchester, N. H.

Stilwell & Bierce Manufacturing Co., manufacturers of turbines and feed water heaters, Dayton, Ohio.

Stimpson, L. L., patent attorney, 23 Court street, Boston, Mass.

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Stockbridge, G. H., electrical expert and patent solicitor, 132 Nassau street, New York.

Stout, Mills & Temple, manufacturers of turbines, Dayton, Ohio.

Stout & Underwood, patent attorneys, 66 Wisconsin street, Milwaukee, Wis.

Straight Line Engine Co., manufacturers of steam engines, 218 Geddes street, Syracuse, N. Y.

Strohmeyer, F. G., & Co. (F. G. Strohmeyer and Herman Arpe), manufacturers of paraffine wax and insulating material, 122 Water street, New York.

Stuart, D. A., & Co., manufacturers of dynamo oil, 8 State street, Chicago, Ill.

Sullivan, James J., agent of Hamilton-Corliss engines, 46 South Canal street, Chicago, Ill.

Swift Lubricator Co., The (Allen W. Swift, Manager), Elmira, N. Y.

Syracuse Boiler Works, 511 East Water street, Syracuse, N. Y.

Syracuse Twist Drill Co., 936 Grape street, Syracuse, N. Y.

T.

Taper Sleeve Pulley Co., manufacturers of pulleys, Erie, Pa.

Tasker, John C., patent attorney, 653 F. street, Washington, D. C.

Tansig, S., dealer in oils, 43 West River street, Chicago, Ill.

Tailor Manufacturing Co., builders of the Beck Engine, Chambersburg, Pa.

Thayer & Law, dealers in belting, 244 Main street, Springfield, Mass.

Thomas, J. M., secretary and Treasurer, Chicago Belting Co., Chicago, Ill.

Tifft, George W., & Co., builders of engines, Buffalo, N. Y.

Tobin & Hamler, builders of boilers, 869 South Halstead street, Chicago, Ill.

Todd Pully and Shafting Works, manufacturers of shafting, East St. Louis, Mo.

Townsend, Henry C., attorney and expert in electrical cases, 5 Beekman street, New York, N. Y.

Tripp Manufacturing Co., manufacturers of the Tripp anti-friction journal bearings, 180 Summer street, Boston, Mass.

Triumph Engine Co., builders of engines, Cincinnati, Ohio.

Troy Belting and Supply Co., The, manufacturers of belting, 550 Fulton street, Troy, N. Y.

Tuttle, C. B., patent attorney, 209 Washington street, Boston, Mass.

U.

Underwood Manufacturing Co., The, manufacturers of cotton belting, Tolland, Conn.

Utah and Montana Machine Co., Agents Westinghouse Machine Co., Salt Lake City, Utah.

Utica Steam Engine and Boiler Works, The, manufacturers of boilers, 272 Whitesboro street, Utica, N. Y.

V.

Vacuum Oil Co., manufacturers of oils, Rochester, N. Y.

Valley Pump Co., manufacturers of steam pumps, East Hampton, Mass.

Vansize, William B., solicitor of patents, 44 Broadway, New York.

Varick, John B., Co., The, dealers in belting, Manchester, N. H.

Vincent, C. R , & Co., dealers in engines and boilers, etc., 18 Cortlandt street, New York.

Vulcan Iron Works, manufacturers of iron posts, 86 North Clinton street, Chicago, Ill.

W.

Wainwright Manufacturing Co., manufacturers of feed water heaters, 34 Oliver street, Boston, Mass.

Wales, Wm. Q., dealer in soldering fluid and metals, 26 Oliver street, Boston, Mass.

Walker, H. S., manager western department Payne engines, Wainwright heaters, Hall pumps, etc., 8 and 10 South Canal street, Chicago, Ill.

Walker, Marvin H., & Co., manufacturers of boilers, 21 South Lake street, Chicago, Ill.

Walsh, J. C., manufacturer of blow pipe and continuous blast gasoline torches, 48 West Adams street, Chicago, Ill.

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Walworth Manufacturing Co., manufacturers of iron poles for light and railways, 16 Oliver street.

Ward & Cameron, patent attorneys, Albany County Bank Building, Albany, N. Y.

Warner, Wm. D., N. E. Agent Underwoods Manufacturing Co., 135 Pearl street, Boston, Mass.

Warren, J. F. & C. G., & Co., manufacturers of leather belting, 195–197 Front street, Worcester, Mass.

Waste Oil Filter Co., manufacturers of oils and filters, 322 Pearl street, New York.

Watertown Steam Engine Co., manufacturers of engines, Watertown, N. Y.

Weatherhead, Thompson & Co., manufacturers of leather belting, Pawtucket, R. I.

Webster, Allen, patent attorney, 488 Main street, Springfield, Mass.

Webster, Warren & Co., manufacturers of feed water heaters, 491 North Third street, Philadelphia, Pa.

Western Power Construction Co. (W. P. Adams, General Manager), complete steam plants, Rookery Building, Chicago, Ill.

Westinghouse, Church, Kerr & Co., contracting and consulting engineers, 17 Cortlandt street, New York; 95 Fifth avenue, Pittsburgh, Pa.; 156–158 Lake street, Chicago, Ill.

Westinghouse Machine Co., The, manufacturers of engines, Pittsburgh, Pa.

Wetherill, Robert, builder of engines, Chester, Pa.

Wheelock Engine Co., manufacturers of engines, Worcester, Mass.

Whitehall, Robert, builder of engines, Newburg, N. Y.

Whitmore, Enos B., patent attorney, 52 Reynold Arcade, Rochester, N. Y.

Wilhelm & Bonner, patent attorneys, 284 Main street, Buffalo, N. Y.

Williams Engine Co., builders of engines, Beloit, Wis.

Williams Engine Works (Samuel T. Williams, Proprietor), manufacturer of engines, 447 North street, Baltimore, Md.

Williams, Henry W., patent attorney, 131 Devonshire street, Boston, Mass.

Williams Indicator and Gauge Alarm Co., manufacturers of water indicators and alarms, 91 1st avenue, Pittsburgh, Pa.

Williams & Potter, general agents of the straight line engines, 15 Cortlandt street, New York.

Williams, S. B., manufacturer of lubricating oil, 96 Exchange street, Rochester, N. Y.

Williams, Henry W., patent attorney, 131 Devonshire street, Boston, Mass.

Wilmot & Hobbs Manufacturing Co., The, manufacturers of brass specialties, Bridgeport, Conn.

Wimple, Edward, manufacturers of tur bines, Albany, N. Y.

Woodbury Engine Co., manufacturers of engines, Rochester, N. Y.

Woods & Woods, dealers in boilers, Memphis, Tenn.

Worcester Steam Boiler Works, manufacturers of boilers, 57 Greene street, Worcester, Mass.

Wright & Adams, builders of engines, Ill.

Wright, Brown & Crossley, patent attorneys, 31 Pemberton square, Boston, Mass.

Wright, I. C., & Co., dealers in belting, Fitchburg, Mass.

Z.

Zimmerman, William, patent attorney, 612 First National Bank Building, Chicago, Ill.

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Aluminum Brass & Bronze Co., 53 Chambers street, New York.

Ansonia Brass & Copper Co., 19 Cliff street, New York.

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Aluminum Brass & Bronze Co., 53 Chambers street, New York.

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Electrical Supply Co., 171 Randolph street, Chicago, Ill.

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Buffalo Electric Co., 225 Pearl street, Buffalo, N. Y.

Fletcher & Fletcher Electric Co., 18 South Water street, Cleveland, Ohio.

New England Wiring and Construction Co., 88 Pearl street, Boston, Mass.

Stewart Electric Co., 717 16th street, Denver, Col.

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CABLES, SUBMARINE—Mfrs. of.

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American Electrical Works, Providence, R. I.

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Standard Underground Cable Co., Westinghouse Building, Pittsburgh, Pa.; "The Rookery," Chicago, Ill.; "Times" Building, New York.

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Electrical Supply Co., 171 Randolph street, Chicago, Ill.

CHEMICAL APPLIANCES—Mfrs. of.

Weston Electrical Instrument Co., 114 William street, Newark, N. J.

CHEMICAL GLASS AND APPARATUS—Mfrs. of.

Shay, Stephens & Co., Exchange Building, Chicago, Ill.

CHROMIC ACID—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

COMMUTATOR BARS—Drop Forged.

Billings & Spencer Co., Hartford, Conn.

CONDUIT, UNDERGROUND—Mfrs. of.

Carolina Oil and Creosoting Co., Wilmington, N. C.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

National Subway Co., 33 Commercial Bank Building, Chicago, Ill.

Standard Underground Cable Co., Westinghouse Building, Pittsburgh, Pa.; "The Rookery," Chicago, Ill.; "Times" Building, New York.

CONDUIT, UNDERGROUND—Dealers in.

Paine & Francis, 88 Broad street, Boston, Mass.

Standard Underground Cable Co., Westinghouse Building, Pittsburgh, Pa.; "The Rookery," Chicago, Ill.; "Times" Building, New York.

CONTRACTORS—Electric Light.

Chadbourne, Hazelton & Co., 416 Walnut street, Philadelphia, Pa.

Clay & Pepper, 1218 Filbert street, Philadelphia, Pa.

Francis & Drew, 424 Nicollet avenue, Minneapolis, Minn.

Kinney, H. A., 882–883 New York Life Building, Omaha, Neb.

CONTRACTORS—Electric Railway.

Central Electric Construction Co., Syracuse, N. Y.

Equitable Electric Railway Construction Co., 416 Walnut street, Philadelphia, Pa.

CONTRACTORS AND ENGINEERS.

Holly-Whitmore Steam Heating Co., The, 27 Sanford street, Springfield, Mass.

CONTRACTORS—General.

Electrical Construction Co., 175 Randolph street, Chicago, Ill.

Jones, F. P., & Co., 301 Main street, Buffalo, N. Y.

Young, A. M., 101 Bank street, Waterbury, Conn.

CONTRACTORS FOR WIRING.

Jones, F. P., & Co., 301 Main street, Buffalo, N. Y.

Stafford Furnace Electrical Co., 142 North Warren street, Syracuse, N. Y.

COPPER—Dealers in.

Aluminum Brass and Bronze Co., 53 Chambers street, New York.

Ansonia Brass and Copper Co., 19 Cliff street, New York.

Bliss & Angel, Room 612, 225 Dearborn street, Chicago, Ill.

Shepard, Sidney & Co., Proprietors of the Buffalo Stamping Works, 145–149 Seneca street, Buffalo, N. Y.

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COPPER FOUNDERS.

Aluminum Brass and Bronze Co., 53 Chambers street, New York.
Ansonia Brass and Copper Co., 19 Cliff street, New York.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.

COPPER TAPE—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

COPPER WIRE—Mfrs. of.

Aluminum Brass and Bronze Co., 53 Chambers street, New York.
American Electrical Works, Providence, R.I.
Ansonia Brass and Copper Co., 19 Cliff street, New York.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.

COPPER WIRE—Selling Agents for.

Electrical Engineering and Supply Co., Syracuse, N. Y.

COPPER WIRE—Dealers in.

Standard Electrical Works, 161-165 West Pearl street, Cincinnati, Ohio.

CREOSOTE WORKS.

Carolina Oil and Creosote Co., Wilmington, Del.

CROSS ARMS—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

COILS, MEDICAL AND INTENSITY—Mfrs. of.

Edwards & Co., 5 Dey street, New York.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.

CUT-OUTS, SWITCHES, ETC.—Mfrs. of.

Electric Engineering and Supply Co., Syracuse, N. Y.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.
Francis & Drew, 424 Nicollet avenue, Minneapolis, Minn.
Poole, Cecil P., Lynchburg, Pa.
West & Dixon, 11 Hawkins street, Boston, Mass.
Zeigler Bros., 73 Federal street, Boston, Mass.

CUT-OUTS, SWITCHES, ETC.—Dealers in.

Cleverly, 1018 Chestnut street, Philadelphia, Pa.
Stewart Electric Co., 717 16th street, Denver, Col.

DAMPER REGULATORS—Mfrs. of.

Curtis Regulator Co., 68 Beverly street, Boston, Mass.

DRY BATTERIES—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

DRY BATTERIES—Dealers in.

Fletcher & Fletcher Electric Co., 13 South Water street, Cleveland, Ohio.

DYNAMOS—Mfrs. of.

Ball Electric Light Co., 70 Pearl street, Toronto, Ont.
Bishop, W. T., 958 Grand avenue, New Haven, Conn.
Bowers, G. E., 527 Main street, Fitchburg, Mass.
Detroit Electrical Works, Detroit, Mich.
Eddy Electric Mfg. Co., Windsor, Conn.
Kimball, F. M., & Co., 149 Portland street, Boston, Mass. (See page 3.)

DYNAMOS—Selling Agents for.

Chadbourne, Hazelton & Co., 416 Walnut street, Philadelphia, Pa.
Cleverly, 1018 Chestnut street, Phila., Pa.
Kinney, H. A., 832-833 New York Life Building, Omaha, Neb.
Stewart Electric Co., 717 16th street, Denver, Col.

DYNAMO-MAGNETO AND ELECTRIC MACHINES—Mfrs. of.

Burnap, W. H., 239 West 27th street, New York.

ELECTRIC ALARM CLOCKS—Mfrs. of.

Darche Electric Co., 35 Clark street, Chicago, Ill.

ELECTRIC BELL HANGERS.

Edward, Valentine, 221 Pearl street, Buffalo, N. Y.

ELECTRIC BELTS—Mfrs. of.

Fletcher & Fletcher Electric Co., 13 South Water street, Cleveland, Ohio.

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ELECTRIC CABLES—Mfrs. of.

American Electrical Works, Providence R. I.
Electric Supply Co., 171 Randolph street, Chicago, Ill.

ELECTRIC CATARRH CURES—Dealers in.

Fletcher & Fletcher Electric Co., 18 South Water street, Cleveland, Ohio.

ELECTRIC CLOCKS—Mfrs. of.

Standard Electric Time Co., 739 Chapel street, New Haven, Conn. (See Page 2.)

ELECTRIC FUSE—Mfrs. of.

Electric Supply Co., 171 Randolph street, Chicago, Ill.

ELECTRIC HEATERS—Mfrs. of.

Francis & Drew, 424 Nicollet avenue, Minneapolis, Minn.

ELECTRIC LIGHT APPARATUS—Mfrs. of.

Sperry Electric Co., 207 South Canal street, Chicago, Ill.

ELECTRIC LIGHT APPARATUS—Selling Agents for.

Chadbourne, Hazelton & Co., 416 Walnut street, Philadelphia, Pa.
Cleverly, 1018 Chestnut street, Philadelphia, Pa.
Hood, Wm., Phenix Building, Chicago, Ill.
Kinney, H. A., 832-833 New York Life Building, Omaha, Neb.
Paine & Francis, 38 Pearl street, Boston, Mass.
Standard Electrical Works, 161-165 West Pearl street, Cincinnati, Ohio.

ELECTRIC LIGHT CONTRACTORS.

Central Electric Construction Co., Syracuse, N. Y.

Chadbourne, Hazelton & Co., 416 Walnut street, Philadelphia, Pa.

ELECTRIC LIGHT FITTINGS—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.
New England Wiring and Construction Co., 38 Pearl street, Boston, Mass.
Paine & Francis, 38 Pearl st., Boston, Mass.
Standard Electrical Works, 161-165 West Pearl street, Cincinnati, Ohio.
Stewart Electric Co., 717 16th street, Denver, Col.

ELECTRIC LIGHT FIXTURES—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.
Vosburgh, W. C., Mfg. Co., 184-186 Wabash avenue, Chicago, Ill. Factory, Brooklyn, N. Y.

ELECTRIC LIGHT PARENT COMPANIES.

Ball Electric Light Co., 70 Pearl street, Toronto, Ont.

ELECTRIC LIGHT AND POWER ENGINEERS AND CONTRACTORS.

Central Electric Construction Co., Syracuse, N. Y.
Equitable Electric Railway Construction Co., 416 Walnut street, Philadelphia, Pa.
Kinney, H. A., 832-833 New York Life Building, Omaha, Neb.
New England Wiring and Construction Co., 38 Pearl street, Boston, Mass.
Poole, Cecil P., 211 9th street, Lynchburg, Va.
Stewart Electric Co., 717 16th street, Denver, Col.

ELECTRIC LIGHT WIRING—Contractors for.

James, Clarence H., 393 Main street, Worcester, Mass.

ELECTRIC MEASURING INSTRUMENTS—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.
Zeigler Bros., 73 Federal street, Boston, Mass.

ELECTRIC MINING SUPPLIES—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

ELECTRIC MOTORS—Mfrs. of.

Bishop, W. T., 958 Grand avenue, New Haven, Conn.
Bowers, G. E., 527 Main street, Fitchburg, Mass.
Detroit Electrical Works, Detroit, Mich.
Eddy Electric Mfg. Co., Windsor, Conn.
Kimball, F. M., & Co., 149 Portland street, Boston, Mass. (See page 8.)

ELECTRIC MOTORS—Selling Agents for.

Chadbourne, Hazelton & Co., 416 Walnut street, Philadelphia, Pa.

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Cleverly, 1018 Chestnut street, Philadelphia, Pa.
Francis & Drew, 424 Nicollet avenue, Minneapolis, Minn.
Jones, F. P., & Co., 301 Main street, Buffalo, N. Y.
Kinney, H. A., 832–833 New York Life Building, Omaha, Neb.
Poole, Cecil P., 211 9th street, Lynchburg, Va.
Standard Electrical Works, 161–165 West Pearl street, Cincinnati, Ohio.
Stewart Electric Co., 717 16th street, Denver, Col.

ELECTRIC RAILWAY CONTRACTORS.

Chadbourne, Hazelton & Co., 416 Walnut street, Philadelphia, Pa.
Detroit Electrical Works, Detroit, Mich.
Equitable Electric Railway Construction Co., 416 Walnut street, Philadelphia, Pa.
Kinney, H. A., 832–833 New York Life Building, Omaha, Neb.
Novelty Electric Supply Mfg. Co., 88 Coleman street, Cincinnati, Ohio.
Pennock, Geo. B., Chicago, Ill.

ELECTRIC RAILWAY SUPPLIES—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

ELECTRIC RAILWAY SUPPLIES—Contractors for.

Electric Merchandise Co., 11 Adams street, Chicago, Ill.

ELECTRIC TRANSMISSION OF POWER.

Kinney, H. A., 832–833 New York Life Building, Omaha, Neb.

ELECTRICAL AGENTS.

Ames, Wright & Co., 51 East 4th street, St. Paul, Minn.
Cleverly, 1018 Chestnut street, Phila., Pa.
Novelty Electric Supply Mfg. Co., 88 Coleman street, Cincinnati, Ohio.
Standard Electrical Works, 161–165 West Pearl street, Cincinnati, Ohio.

ELECTRICAL CONTRACTORS.

Ames, Wright & Co., 51 E. 4th street, St. Paul, Minn.
Bliss & Angel, Room 612, 225 Dearborn street, Chicago, Ill.
Chadbourne, Hazelton & Co., 416 Walnut street, Philadelphia, Pa.
Commercial Electric Co., 55 Gratiot avenue. Detroit, Mich.
Detroit Electrical Works, Detroit, Mich.
Edwards & Co., 5 Dey street, New York.
Electrical Construction Co., 175 Randolph street, Chicago, Ill.
Jones, F. P., & Co., 301 Main street, Buffalo, N. Y.
Kinney, H. A., 832–833 New York Life Building, Omaha, Neb.
Novelty Electric Supply Mfg. Co., 88 Coleman street, Cincinnati, Ohio.
Stafford Furnace Electrical Co., 142 N. Warren street, Syracuse, N. Y.
Valentine, Edward, 221 Pearl street, Buffalo, N. Y.

ELECTRICAL ENGINEERS.

Bliss & Angel, Room 612, 225 Dearborn street, Chicago, Ill.
Chadbourne, Hazelton & Co., 416 Walnut street, Philadelphia, Pa.
Garver, Prof. M. M., 114 William street, Newark, N. J.
Kinney, H. A., 832–833 New York Life Building, Omaha, Neb.
Weston, Edward, 114 William street, Newark, N. J.

ELECTRICAL EXPERTS.

Bliss & Angel, Room 612, 225 Dearborn street, Chicago, Ill.
Garver, Prof. M. M., 114 William street, Newark, N. J.
Hayes, Alexander L. (See Solicitors of Patents.)
Weston, Edward, 114 William street, Newark, N. J.

ELECTRICAL INSTRUMENTS—Mfrs. of.

Electrical Construction Co., 175 Randolph street, Chicago, Ill.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.
Standard Thermometer Co., 3 Foster street, Peabody, Mass.
Weston Electrical Instrument Co., 114 William street, Newark, N. J.
Zeigler Bros., 73 Federal street, Boston, Mass.

ELECTRICAL SECURITIES—Dealers in.

Bliss, George H., Room 612, 225 Dearborn street, Chicago, Ill.

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ELECTRICAL SPECIALTIES—Mfrs. of.

Franklin Electric Co., 120 Randolph street, Chicago, Ill.

ELECTRICAL SUPPLIES—Mfrs. of.

American Electrical Works, Providence, R. I.
Detroit Electrical Works, Mich.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.
Standard Electrical Works, 161-165 West Pearl street, Cincinnati, Ohio.
Swift, H. E., & Co., 62 Sudbury street, Boston, Mass.
Zeigler Bros., 78 Federal street, Boston, Mass.

ELECTRICAL SUPPLIES—Dealers in.

Ames, Wright & Co., 51 East Fourth street, St. Paul, Minn.
Boston Electric Co., 548 Washington street, Boston, Mass.
Cleverly, 1018 Chestnut street, Philadelphia, Pa.
Commercial Electric Co., 55 Gratiot avenue, Detroit, Mich.
Dinnan, John J., 134 Congress street, New Haven, Conn.
Electric Engineering and Supply Co., Syracuse, N. Y.
Electric Gas Lighting Co., 195 Devonshire street, Boston, Mass.
Francis & Drew, 424 Nicollet avenue, Minneapolis, Minn.
Fletcher & Fletcher Electric Co., 13 South Water street, Cleveland, Ohio.
Hamilton Electrical Works, 100 State street, Albany, N. Y.
Harmount, G. A., Manager Monitor Electric Co., 149 Wabash avenue, Chicago, Ill.
James, Clarence H., 393 Main street, Worcester, Mass.
Jones, F. P., & Co., 301 Main street, Buffalo, N. Y.
Kendall & Slade, 43 Milk street, Boston, Mass.
Kinney, H. A., 832-833 New York Life Building, Omaha, Neb.
Monitor Electric Co., G. A. Harmount, Manager, 149 Wabash avenue, Chicago.
New England Wiring and Construction Co., 38 Pearl street, Boston, Mass.
Novelty Electric Supply Manufacturing Co., 83 Coleman street, Cincinnati, Ohio.
Poole, Cecil P., 211 Ninth street, Lynchburg, Va.
Rhode Island Telephone Electric Co., 18 Mason street, Providence, R. I.
Rogers, H. A., 19 John street, New York.
Schmidt, Rudolph & Co., 51 East Main street, Rochester, N. Y.
Stafford Furnace Electrical Co., 142 North Warren street, Syracuse, N. Y.

ELECTRICIANS.

Buffalo Electric Co., 225 Pearl street, Buffalo, N. Y.
Garver, Prof. M. M., 114 William street, Newark, N. J.
James, Clarence H., 393 Main street, Worcester, Mass.
Jones, F. P., & Co., 301 Main street, Buffalo, N. Y.
Kinney, H. A., 832-833 New York Life Building, Omaha, Neb.
Massachusetts Electrical Engineering Co., 41 Post Office Square, Boston, Mass.
Stafford Furnace Electrical Co., 142 North Warren street, Syracuse, N. Y.
Stewart Electric Co., 717 16th street, Denver, Col.
Weston, Edward, 114 William street, Newark, N. J.
Zeigler Bros., 78 Federal street, Boston, Mass.

ELECTROLIERS—Mfrs. of.

Baggat, E., 169 East Adams street, Chicago, Ill.

ELECTROLIERS—Dealers in.

Baggat, E., 169 East Adams street, Chicago, Ill.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.

ELECTRO-MEDICAL APPARATUS—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.
Fletcher & Fletcher Electrical Co., 13 South Water street, Cleveland, Ohio.

ELECTROPLATING MACHINERY—Mfrs. of.

Bishop, W. T., 958 Grand avenue, New Haven, Conn.

ENGINES, HIGH SPEED—Mfrs. of.

Case, J. T., Engine Co., 72 Chestnut street, New Britain, Conn.

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Davenport Foundry and Machine Co., Davenport, Iowa.
Fishkill Landing Machine Co., Fishkill-on-the-Hudson, N. Y.
Grant, J. A., & Co., 243 Franklin street, Boston, Mass.
Western Power Construction Co., 144 Adams street, Chicago, Ill.

ENGINES, HIGH SPEED—Selling Agents for.

Walker, H. S., Manager, 26-28 West Randolph street, Chicago, Ill.

ENGINES, LOW SPEED—Mfrs. of.

Davenport Foundry and Machine Co., Davenport, Iowa.
Wheelock Engine Co., Southgate street, Worcester, Mass.

ENGINEERS—Mining.

Kinney, H. A., 832-833 New York Life Building, Omaha, Neb.

ENGINEERS' SPECIALTIES—Mfrs. of.

Curtis Regulator Co., 68 Beverly street, Boston, Mass.

ENGINEERS—Testing.

Kinney, H. A., 832-833 New York Life Building, Omaha, Neb.

EYE BOLTS—Drop Forged Steel.

Billings & Spencer Co., Hartford, Conn.

FEED WATER HEATERS—Mfrs. of.

Hall, Geo. D., Jr., Manager, 84 Oliver street, Boston, Mass.

ENGINES CORLISS OR HIGH SPEED WITH BOILERS, Etc.
For Driving Dynamos.
Complete Steam Plants Furnished and Erected.
ENGLISH, MORSE & CO. 1221-1223 Union Ave. KANSAS CITY, MO.

ENGINE AND DYNAMO OIL CUPS—Mfrs. of.

Nightingale, S. C., & Childs, 134 Pearl street, Boston, Mass.

ENGINEERS—Consulting.

Garver, Prof. M. M., 114 William street, Newark, N. J.
Hammett, Wm. A., 18 Cortlandt street, New York.
Kinney, H. A., 832-833 New York Life Building, Omaha, Neb.
Massachusetts Electric Engineering Co., 41 Post Office Square, Boston, Mass.
Morris, Elmer, P., 83 Coleman street, Cincinnati, Ohio.
Novelty Electric Supply Manufacturing Co., 83 Coleman street, Cincinnati, Ohio.
Weston, Edward, 114 William street, Newark, N. J.

ENGINEERS—Mechanical.

Carr, Charles, 7 Exchange Place, Boston, Mass.
Elliott, Theo. A., 202 Main street, Buffalo, N. Y.
Hammett, Wm. A., 18 Cortlandt street, N. Y.
Walker, H. S., Manager, 26-28 West Randolph street, Chicago, Ill.

FEED WATER HEATERS—Dealers in.

Walker, H. S., Manager, 26-28 West Randolph street, Chicago, Ill.

FLUX, SOLDERING—Mfrs. of.

Shepard, Sidney, & Co., Proprietors of the Buffalo Stamping Works, 145-149 Seneca street, Buffalo, N. Y.

FRICTION GEARS—Mfrs. of.

Chicago Rawhide Mfg. Co., 75 Ohio street, Chicago, Ill.

GALVANIC APPARATUS—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

GALVANIZED IRON WIRE—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

GAS LIGHTING BY ELECTRICITY APPARATUS—Mfrs. of.

Cleverly, 1018 Chestnut street, Philadelphia, Pa.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.
Rant Electric Gas Lighting Co., Room 612, 225 Dearborn street, Chicago, Ill.

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GAS LIGHTING BY ELECTRICITY APPARATUS—Dealers in.

Boston Electric Co., 548 Washington street, Boston, Mass.

Buffalo Electric Co., 225 Pearl street, Buffalo, N. Y.

Cleverly, 1018 Chestnut street, Philadelphia, Pa.

Electric Gas Lighting Co., 195 Devonshire street, Boston, Mass.

Fletcher & Fletcher Electric Co., 13 South Water street, Cleveland, Ohio.

Jones, F. P., & Co., 301 Main street, Buffalo, N. Y.

GASOLINE TORCHES—Mfrs. of.

Walsh Gasoline Torch Mfg. Co., John C., 48 West Adams street, Chicago, Ill.

GAUGE GLASS—Mfrs. of.

Shay, Stephens & Co., Exchange Building, Chicago, Ill.

GEARS—Mfrs. of.

New Process Rawhide Co., The, 248 West Washington street, Syracuse, N. Y.

GERMAN SILVER SHEETS—Mfrs. of.

Aluminum Brass and Bronze Co., 53 Chambers street, New York.

GERMAN SILVER WIRE—Mfrs. of.

Aluminum Brass and Bronze Co., 53 Chambers street, New York.

GLASS BELL BATTERY—Mfrs. of.

Shay, Stephens & Co., Exchange Building, Chicago, Ill.

GLOBES FOR ELECTRIC LIGHTING—Mfrs. of.

Shay, Stephens & Co., Exchange Building, Chicago, Ill.

GRATE BARS—Mfrs. of.

Lahman, W. H., Room 27, 154 Lake street, Chicago, Ill.

HIGH SPEED ENGINES—Mfrs. of.

Davenport Foundry and Machine Works, Davenport, Ia.

HIGH SPEED ENGINES—Selling Agents for.

Walsh, H. S., Manager, 26-28 West Randolph street, Chicago, Ill.

HOT WATER DAMPER REGULATORS—Mfrs. of.

Curtis Regulator Co., 68 Beverly street, Boston, Mass.

INCANDESCENT LAMPS—Mfrs. of.

Chicago Incandescent Lamp Co., 18 North Jefferson street, Chicago, Ill.

INCANDESCENT LAMPS—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

INJECTORS—Mfrs. of.

Penberthy Injector Co., 7th and Abbott streets, Detroit, Mich.

INSULATING MATERIALS—Mfrs. of.

American Electrical Works, Providence, R. I.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

INSULATORS—Mfrs. of.

Francis & Drew, 424 Nicollet avenue, Minneapolis, Minn.

Shay, Stephens & Co., Exchange Building, Chicago, Ill.

INSULATORS—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

INSULATORS AND BATTERY JARS—Mfrs. of.

Shay, Stephens & Co., Exchange Building, Chicago, Ill.

INSULATORS AND BATTERY JARS—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

INSULATED WIRES—Mfrs. of.

Simplex Electrical Co., 620 Atlantic avenue, Boston, Mass.

INSULATED WIRE—Dealers in.

Fletcher & Fletcher Electric Co., 13 South Water street, Cleveland, Ohio.

INTERIOR CONDUIT—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

Paine & Francis, 88 Pearl street, Boston, Mass.

IRON WIRE—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

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LAMPS—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

LAMPS—Selling Agents for.

Kinney, H. A., 882-883 New York Life Building, Omaha, Neb.

LIGHTNING CONDUCTORS—Makers and Contractors for the Erection of.

Rhode Island Telephone Electric Co., 13 Mason street, Providence, R. I.

LOW SPEED ENGINES—Mfrs. of.

Davenport Foundry and Machine Co., Davenport, Ia.

LUBRICATORS, SIGHT FEED—Mfrs. of.

Michigan Lubricator Co., corner Brush and Champlain streets, Detroit, Mich.

MACHINERY FOR COVERING ELECTRIC WIRES—Mfrs. of.

New England Butt Co., 31 Pearl street, Providence, R. I.

MAGNETS—Mfrs. of.

American Electrical Works, Providence, R. I.

MAGNET BELLS—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

MAGNET STEEL—Mfrs. of.

Chrome Steel Works, Kent avenue, Brooklyn, N. Y.

MAGNET WIRE MACHINES—Mfrs. of.

New England Butt Co., 31 Pearl street, Providence, R. I.

MAGNETIC CURATIVE APPLIANCES—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

MILLIAMMETERS—Mfrs. of.

Weston Electrical Instrument Co., 114 William street, Newark, N. J.

MAST ARMS—Mfrs. of.

Russell Electric Manufacturing Co., 225 Dyer, corner Dorrance street, Providence, R. I.

MEDICAL BATTERIES.

Fletcher & Fletcher Electric Co., 18 South Water street, Cleveland, Ohio.

METERS, ELECTRIC—Agents for.

Hood, Wm., Phenix Building, Chicago, Ill.

MICA—Dealers in.

Randall, Chas. L., 26 Union street, Boston, Mass.

MINING ENGINEERS.

Kinney, H. A., 882-883 New York Life Building, Omaha, Neb.

MODEL AND EXPERIMENTAL WORK.

Electric Construction Co., 175 Randolph street, Chicago, Ill.

Francis & Drew, 424 Nicollet avenue, Minneapolis, Minn.

Zeigler Bros., 73 Federal street, Boston, Mass.

MOTORS—Mfrs. of.

Ball Electric Light Co., 70 Pearl street, Toronto, Ont.

OIL CUPS (for Engines and Dynamos)—Mfrs. of.

Nightingale, S. C., & Childs, 134 Pearl street, Boston, Mass.

OILERS, SIGHT FEED—Mfrs. of.

Michigan Lubricator Co., corner Brush and Champlain streets, Detroit, Mich.

PATENT AGENTS.

Hayes, Alexander L. (See Solicitors of Patents.)

Ward & Cameron, Albany County Bank Building, Albany, N. Y.

Webster, Allen, 488 Main street, Springfield, Mass.

PATENT ATTORNEYS.

Bates, Wm. L., 204 Dearborn street, Chicago, Ill.

Chapin & Co., 352 Main street, Springfield Mass.

Hayes, Alexander L. (See Solicitors of Patents.)

Hicks, Horace L., Tweddle Building, Albany, N. Y.

Mosher, Geo. A., 17 1st street, Troy, N. Y.

Ward & Cameron, Albany County Bank Building, Albany, N. Y.

Webster, Allen, Attorney at Law and Solicitor of United States and Foreign Patents, 488 Main street, Springfield, Mass.

Williams, Henry W., 131 Devonshire street, Boston, Mass.

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PATENT SOLICITORS.

Livermore, Jas. P., 40 Water street, Boston, Mass.
Low, William H., 30 North Pearl street, Albany, N. Y.
Renert, N. S., 28 State street, Boston, Mass.
Shaw & Co., C. A., 68 Court street, Boston, Mass.
Stevens, Milan F., 62 Devonshire street, Boston, Mass.
Williams, Henry W., 131 Devonshire street, Boston, Mass.
Wright, Brown & Crossley, 31 Pemberton square, Boston, Mass.

PATENT OFFICE DRAUGHTSMEN.

Thomas & Huyette, cor. Griswold and State streets, Detroit, Mich.

PINS—Mfrs. of.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

PLATINUM AND PLATINA—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

POLES—Dealers in.

Ayer, Ed. E., 12 "Rookery," Chicago, Ill.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.

POLES, IRON—Dealers in.

Novelty Electric Supply Mfg. Co., 88 Coleman street, Cincinnati, Ohio.

PUBLICATIONS, ELECTRICAL—Agents for.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.
The Fred H. Whipple Co., Detroit and N. Y.

PUMPS—Dealers in.

Walsh, H. S., Manager, 26-28 North Randolph street, Chicago, Ill.

PUMPS, STEAM—Mfrs. of.

Wells, F. C., Steam Pump Works, 116 South Clinton street, Chicago, Ill.

PUMP REGULATORS—Mfrs. of.

Curtis Regulator Co., 68 Beverly street, Boston, Mass.

PUSH BUTTONS AND SPARK COILS—Mfrs. of.

Bradley, E. C., 188 East Main street, Rochester, N. Y.

PUSH BUTTONS—Mfrs. of.

Edwards & Co., 5 Dey street, New York.
Electrical Supply Co., 171 Randolph street, Chicago, Ill.

PUSH BUTTONS—Dealers in.

Fletcher and Fletcher Electric Co., 13 South Water street, Cleveland, Ohio.

RAWHIDE—Mfrs. of.

New Process Rawhide Co., The, 248 West Washington street, Syracuse, N. Y.

RECORDING STEAM GAUGES—Mfrs. of.

Standard Thermometer Co., 3 Foster street, Peabody, Mass.

REFLECTORS AND SHADES—Dealers in.

Electrical Supply Co., 171 Randolph street, Chicago, Ill.

REGULATORS—Mfrs. of.

Mason Regulator Co., 10 Central street, Boston, Mass.

RETURN STEAM TRAPS—Mfrs. of.

Curtis Regulator Co., 68 Beverly street Boston, Mass.

ROLLED METAL DEALERS.

Aluminum Brass and Bronze Co., 53 Chambers street, New York.

RUBBER GOODS—Dealers in.

Buffalo Rubber Co., Buffalo, N. Y.

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ADDENDA.

The following was received too late for insertion in the regular divisions:

ARKANSAS.—Little Rock. Pulaski Gas Light Co. Jno. D. Adams, President. C. F. Peuzel, Treasurer. Dean Adams, Secretary and Superintendent. Price of gas, $2.50. Operate Brush and Westinghouse electric systems. (See Central Stations.)

IDAHO.—Moscow. Moscow Electric Light and Power Co. M. J. Shields, Owner. George H. Goude, Electrician. 1 Westinghouse dynamo. Capacity, 500 inc. In use, 320 commercial inc., 40 public street inc. 1 Ball engine and boiler, Standard wire, 2 miles of street circuits.

ILLINOIS.—Warsaw. Warsaw Electric Light Co. Capital stock, $6,000; paid in, $4,000. Victor Dary, President. J. Eaton Johnson, Secretary. W. I. Barley, Electrician. Annual meeting held in September. 1 Brush dynamo. Capacity, 50 arc. In use, 38 commercial arc, 8 public street arc. 1 Westinghouse engine. Ju.

MARYLAND.—Easton. Easton Gas and Electric Light Co. Capital stock, $30,000; paid in, $25,000. M. M. Dauson, President. Charles F. Wrightson, Secretary and Superintendent. Annual meeting held in January. 2 Westinghouse dynamos. Capacity, 650 inc. In use, 550 commercial inc., 80 public street inc. 1 Westinghouse engine, 1 Bigelow boiler, Schieren belts, 5 miles of street circuits.

MASSACHUSETTS.—Boston. Brookline Gas Light Co. Capital stock, $450,000; all paid in. Dr. Robert Amory, President. Francis W. Lawrence, Treasurer. Charles S. Spaulding, Superintendent. S. O. Wade, Electrician. Annual meeting held in January. 7 American, Thomson-Houston and Westinghouse dynamos. Capacity of station, 365 arc, 1,000 inc. In use, 30 commercial arc, 178 public street arc, 800 commercial inc. 2 McIntosh & Seymour, 3 Armington & Sims engines, 2 Whittier boilers. City pays $40 and $50 per light per year for 178 arc of 2,000 candles, burning 3,828 hours per year. Z H.

East Weymouth. Weymouth Light and Power Co. Capital stock, $150,000. W. A. Styles, President. A. B. Madge, Secretary. Wm. M. Davis, Electrician. 6 Thomson-Houston dynamos. Capacity of station, 200 arc, 1,300 inc. In use, 20 public street arc, 450 public street inc. 2 Ide engines, Hodges boilers, Gates belts, 2 Hunter clutches, K. K. wire, 35 miles of street circuits. City pays $70 per light per year for 20 arc of 1,200 candles, and $——— for 450 inc. of 32 candles, burning till 12.30 A. M. on moon schedule. Contract expires annually in August. 65.

NEVADA.—Virginia City. Virginia and Gold Hill Electric Light Co. W. E. Sell, President. Charles D. Wheeler, Vice-President. Charles T. Bridge, Secretary and Treasurer. J. B. Overton, Superintendent. J. R. Petrie, Electrician. 4 Brush dynamos. In use, 73 commercial arc, 14 commercial series inc. 5 public street arc. Pelton water wheels, Roebling's wire, 14 miles of circuits.

NEW JERSEY.—Englewood. Bergen County Gas Light Co. Capital stock, $50,000. H. W. Banks, President. B. Drake Smith, Secretary and Treasurer. Samuel F. Gold, Superintendent. Price of gas, $3.50. V G.

Hoboken. Hudson Electric Light Co. Capital stock, $150,000; all paid in. Charles O. Baird, President. Samuel F. Given, Secretary. A. K. Bonta, Superintendent. 4 Thomson-Houston, 2 Westinghouse dynamos. Capacity of station, 185 arc, 1,300 inc. In use, 60 commercial arc, 185 public street arc, 1,300 commercial inc. 2 Armington & Sims, 1 Westinghouse engine, 4 McLaren boilers, Simplex wire, 30 miles of street circuits. Ju.

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Union. Union Heisler Electric Light Co. Capital stock, $50,000; all paid in. H. K. Thurber, President. James A. Taylor, Secretary. John A. Seely, General Manager. Annual meeting held in June. 2 Heisler dynamos. Capacity of station, 3,000 (32 candle-power) inc. In use, 400 commercial inc., 200 public street inc. 1 Buckeye engine and boiler, Grimshaw wire, 14 miles of street circuits. City pays $20 per light per year for 200 inc. of 32 candles, burning all of every night. P G.

NEW YORK.—Baldwinsville. Edison Illuminating Co. Capital stock, $30,000; all paid in. J. C. & J. A. Miller, Proprietors. 5 Edison dynamos. In use, 96 public street inc. Water power. City pays $15 per light per year for 96 inc. of 16 candles, burning all of every night. Ju.

Jordan. Jordan Electric Light and Power Co. Capital stock, $10,000; all paid in. F. H. Leonard, Jr., President. A. W. Kilby, Secretary. L. E. Morse, Superintendent and Electrician. Annual meeting held in January. 2 Thomson-Houston dynamos. Capacity of station, 30 arcs, 650 inc. In use, 2 commercial arc, 24 public street arc, 354 commercial inc. Water power, Curtis belts, Shield brand wire, 16 miles of street circuits. City pays $65 per light per year for 24 arc of 2,000 candles, burning till 1 A. M. on moon schedule. Contract expires in January, 1891. Ju.

New York Mount Morris Electric Light Co. Edward May, President. Julius May, Vice-President and Treasurer. H. Sanderson, Secretary. C. G. Young, Superintendent.

Rockaway Beach. Rockaway Beach Electric Light Co. Capital stock, $100,000; all paid in. H. E. Hawley, President. J. A. Taylor, Secretary and Treasurer. J. A. Seely, General Manager. 1 Thomson-Houston dynamo. 150 arc, 32 inc. in series. Standard Underground Cable Co., American Electric Works, Fire Underwriters' wire, 14 miles of street circuits. 65.

OHIO.—Alliance. Mutual Electric Light Co. Capital stock, $100,000; paid in, $38,000. E. Teetus, President. W. W. Cantine, Secretary. W. H. McCain, Superintendent and Electrician. Annual meeting held in January. 3 Western dynamos. Capacity of station, 105 arc. In use, 68 commercial arc, 19 public street arc. Russell engines and boilers, Page belts, Erie clutches, 15 miles of street circuits. City pays $72 and $60 per light per year for 19 arc of 2,000 candles, burning 16 hours every night. Contract expires in April, 1893. V G.

PENNSYLVANIA.—Connellsville. The Electric Co. Capital stock, $30,000; paid in, $1,000. John D. Frisbie, President. John L. Gaus, Secretary, Superintendent and Electrician. Annual meeting held in October. 3 Westinghouse dynamos. Capacity of station, 60 arc, 1,500 inc. In use, 6 commercial arc, 1,300 commercial inc., 37 public arc, 18 public series inc., 3 Westinghouse engines, 3 Erie boilers, Munson and Schieren belts, Standard wire, 25 miles of street circuits.

RHODE ISLAND.—River Point. People's Edison Illuminating and Power Co. Capital stock, $30,000; all paid in. Henry L. Greene, President. John Campbell, Vice-President. Robert Reed, Treasurer and General Manager. Charles F. Hill, Secretary. Capacity, 2,000 inc. 1 Armington & Sims engine, 1 boiler, Munson belts, Edison and Ansonia wire, 4 miles of street circuits. 65.

Newport. Edison Illuminating Co. Capital stock, $100,000; paid in, $85,000. T. M. Seabury, President. John Whipple, Secretary. John Whipple, Jr., Superintendent and Electrician. Annual meeting held in August. 12 Edison, 2 Thomson-Houston, 2 Westinghouse dynamos. Capacity of station, 150 arc, 3,000 inc. In use, same. 6 Armington & Sims engines, 4 Jarvis boilers.

WASHINGTON, D. C.—Eckington and Soldiers' Home Railway Co. Capital stock, $177,000. Geo. Truesdell, President. Chas. C. Duncanson, Vice-President. Joseph Paul, Secretary. E. K. Johnson, Treasurer. G. S. Patterson, Superintendent. 6¼ miles, 4-8½ gauge, 80 lb. rail, 20 cars. Thomson-Houston system.

WISCONSIN.—Waukesha. Waukesha Electric Light Co. Capital stock, $25,000. F. H. Putney, President. F. W. Haight, Secretary. George A. Farwell, Superintendent. Frank Merriman, Electrican. 2 United States dynamos. Capacity, 700 inc. 1 Conway engine, 1 Erie boiler.

Waukesha. Waukesha American Gas Co. Capital stock, $60,000. F. H. Putney, President. Charles V. Grant, Treasurer. F. W. Haight, Secretary. George A. Farwell, Superintendent. Price of gas, $2.00. Operate United States electric system. (See Central Stations.)

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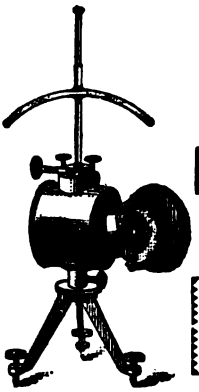

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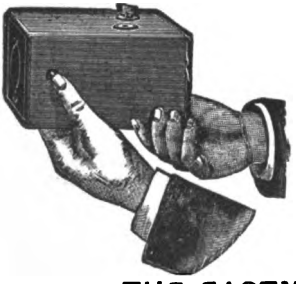

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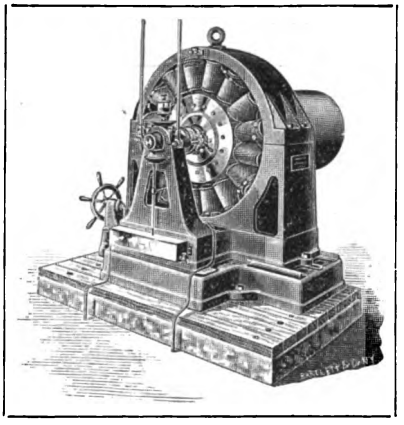

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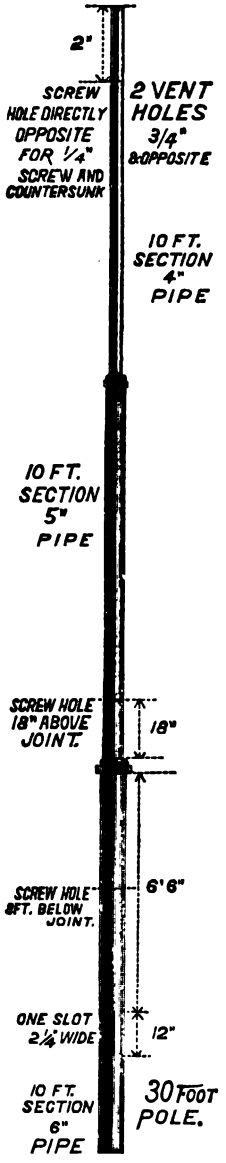

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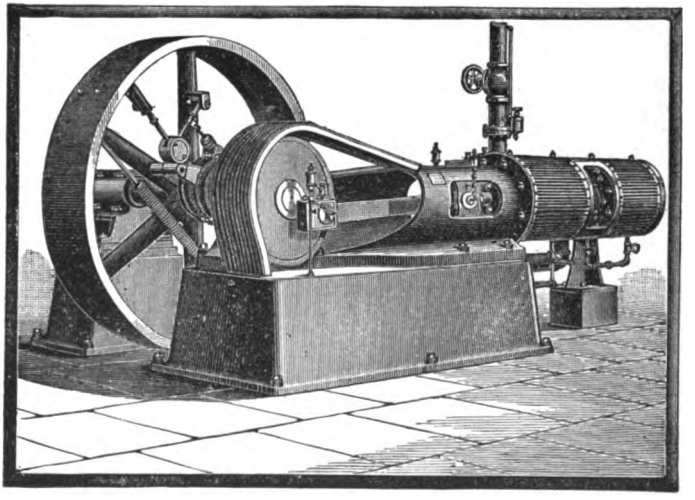

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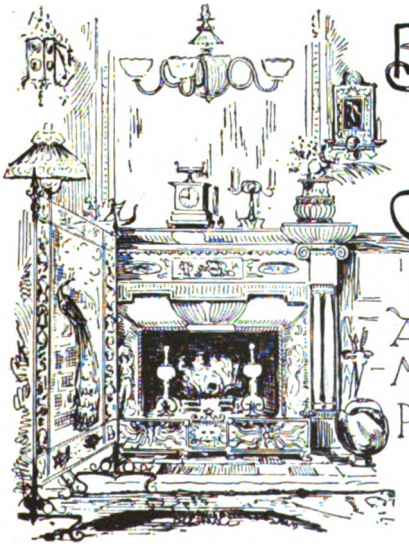

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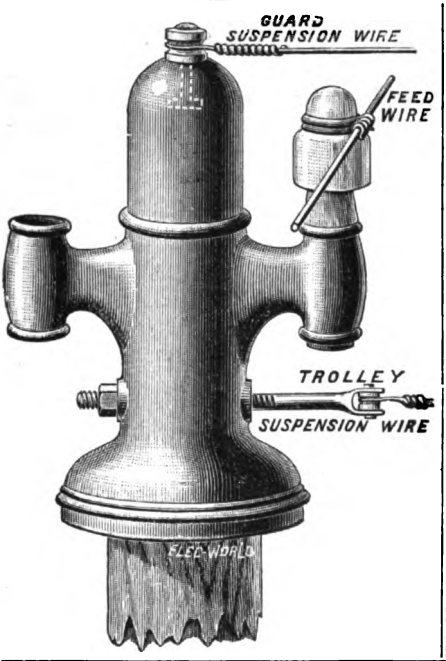

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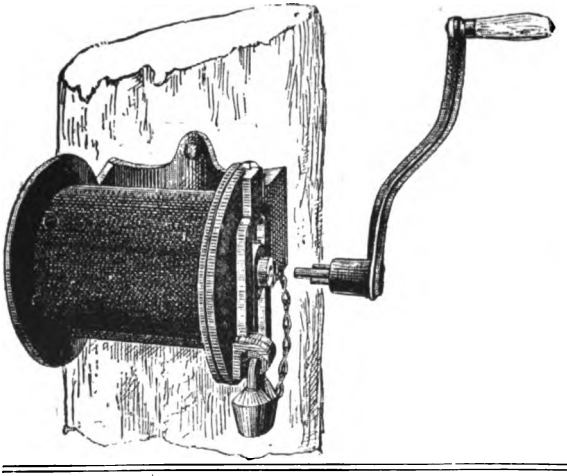

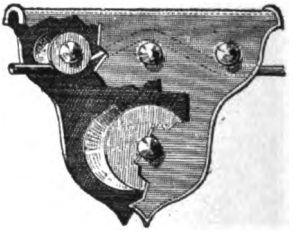

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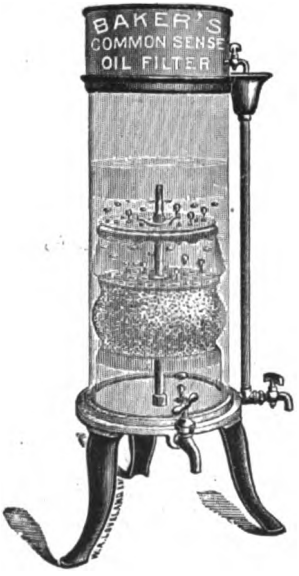

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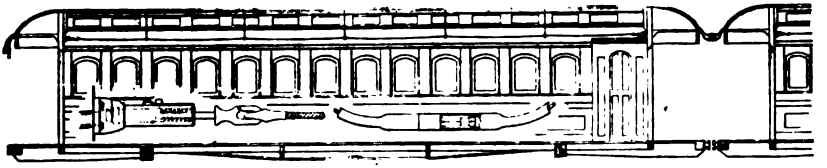

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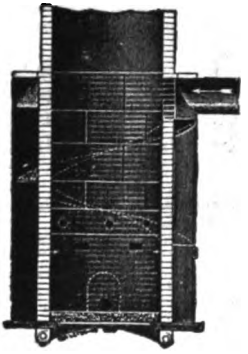

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